



Enduring Resources

475 17th Street Suite 1500 Denver Colorado 80202
Telephone 303 573-1222 Fax 303 573 0461

August 17, 2006

Utah Division of Oil, Gas and Mining
1594 West North Temple, Suite 1210
P. O. Box 145801
Salt Lake City, Utah 84114-5801

Attn.: Ms. Diana Whitney

RE: Enduring Resources, LLC
Buck Camp 12-22-23-2
NE-SW 2-12S-22E Surface
NE-SW 2-12S-22E BHL
State Lease: ML-47087
Uintah County, Utah

Dear Ms. Whitney:

Enclosed are two original applications to drill concerning the above-referenced proposed well. This information was also submitted to SITLA.

Enduring Resources, LLC is requesting the Utah Division of Oil, Gas and Mining to hold this application and all future information as confidential.

If any questions arise or additional information is required, please contact me at 303-350-5719

Very truly yours,

ENDURING RESOURCES, LLC
Evette Bissett
Regulatory Compliance Assistant

Enclosures

cc: SITLA w/ attachments

RECEIVED
AUG 21 2006
DIV. OF OIL, GAS & MINING

ENDURING RESOURCES, LLC

425 Seventeenth Street, Suite 1500

Denver, Colorado 80202

Telephone: 303-573-1222

Facsimile: 303-573-0461

August 17, 2006

State of Utah
Division of Oil, Gas and Mining
P.O. Box 145801
Salt Lake City, Utah 84114-5801

Attention: Ms. Diana Whitney

**RE: Exception Well Location
Buck Camp 12-22-23-2
NESW Section 2-T12S-R22E Surface
NESW Section 2-T12S-R22E BHL
1980' FSL - 1980' FWL Surface
1598' FSL - 1337' FWL BHL
Lease Serial No.: ML-47087
Uintah County, Utah**

Dear Ms. Whitney:

Enduring Resources, LLC ("ERLLC") plans to drill the above-referenced well directionally from a multi-well pad to limit surface impact and drilling on steep slopes.

ERLLC is the only leasehold interest owner within 460 feet of any part of the above-referenced proposed well's proposed well bore, therefore,

A. ERLLC also grants itself permission for an exception well location.

In the event there are any other outstanding matters preventing these APD's from being approved, please let me know at your earliest convenience, 303-350-5719 (ebissett@enduringresources.com).

Very truly yours



ENDURING RESOURCES, LLC
Evette Bissett
Regulatory Compliance Assistant

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DIV. OF OIL, GAS & MINING

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

FORM 3

AMENDED REPORT ☐
(highlight changes)

APPLICATION FOR PERMIT TO DRILL

1A. TYPE OF WORK: DRILL <input checked="" type="checkbox"/> REENTER <input type="checkbox"/> DEEPEN <input type="checkbox"/>		5. MINERAL LEASE NO: ML-47087	6. SURFACE: State
B. TYPE OF WELL: OIL <input type="checkbox"/> GAS <input checked="" type="checkbox"/> OTHER _____ SINGLE ZONE <input type="checkbox"/> MULTIPLE ZONE <input checked="" type="checkbox"/>		7. IF INDIAN, ALLOTTEE OR TRIBE NAME:	
2. NAME OF OPERATOR: Enduring Resources, LLC		8. UNIT or CA AGREEMENT NAME:	
3. ADDRESS OF OPERATOR: 475 17th St., Ste 1500 CITY Denver STATE CO ZIP 80220		PHONE NUMBER: (303) 350-5719	9. WELL NAME and NUMBER: Buck Cmap 12-22-23-2
4. LOCATION OF WELL (FOOTAGES) 634918X 4406628Y 39.850817 -109.424067 AT SURFACE: 1980' FSL - 1980' FWL AT PROPOSED PRODUCING ZONE: 1598' FSL - 1337' FWL NESW 634724X 4406509Y 39.799769 -109.426353		10. FIELD AND POOL, OR WILDCAT: Undesignated Wildcat	
11. QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: NESW 2 12S 22E		12. COUNTY: Uintah	
13. STATE: UTAH		14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE: 70.55 Southeast of Vernal, UT	
15. DISTANCE TO NEAREST PROPERTY OR LEASE LINE (FEET) 1337'	16. NUMBER OF ACRES IN LEASE: 640	17. NUMBER OF ACRES ASSIGNED TO THIS WELL: 40 acres	
18. DISTANCE TO NEAREST WELL (DRILLING, COMPLETED, OR APPLIED FOR) ON THIS LEASE (FEET) 1000' +	19. PROPOSED DEPTH: 7,850	20. BOND DESCRIPTION: RLB0008031	
21. ELEVATIONS (SHOW WHETHER DF, RT, GR, ETC.): 5630' RT-KB	22. APPROXIMATE DATE WORK WILL START: 11/1/2006	23. ESTIMATED DURATION: 20 days	

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	CASING SIZE, GRADE, AND WEIGHT PER FOOT	SETTING DEPTH	CEMENT TYPE, QUANTITY, YIELD, AND SLURRY WEIGHT			
20"	14" line pipe	40	3 yards	Ready Mix		
11"	8-5/8" J-55 24#	2,016	Premium Lead	138 sxs	3.50	11.1
			Premium Tail	138 sxs	1.15	15.8
7-7/8"	4-1/2" N-80 11.6#	7,850	Class G	64 sxs	3.3	11.0
			50/50 Poz Class G	1009 sxs	1.56	14.3

ATTACHMENTS

VERIFY THE FOLLOWING ARE ATTACHED IN ACCORDANCE WITH THE UTAH OIL AND GAS CONSERVATION GENERAL RULES:

<input checked="" type="checkbox"/> WELL PLAT OR MAP PREPARED BY LICENSED SURVEYOR OR ENGINEER	<input checked="" type="checkbox"/> COMPLETE DRILLING PLAN
<input checked="" type="checkbox"/> EVIDENCE OF DIVISION OF WATER RIGHTS APPROVAL FOR USE OF WATER	<input type="checkbox"/> FORM 5, IF OPERATOR IS PERSON OR COMPANY OTHER THAN THE LEASE OWNER

NAME (PLEASE PRINT) Eyyette Bissett TITLE Regulatory Compliance Assistant
SIGNATURE Eyyette Bissett DATE 8/17/2006

(This space for State use only)

API NUMBER ASSIGNED: 43-047-38483

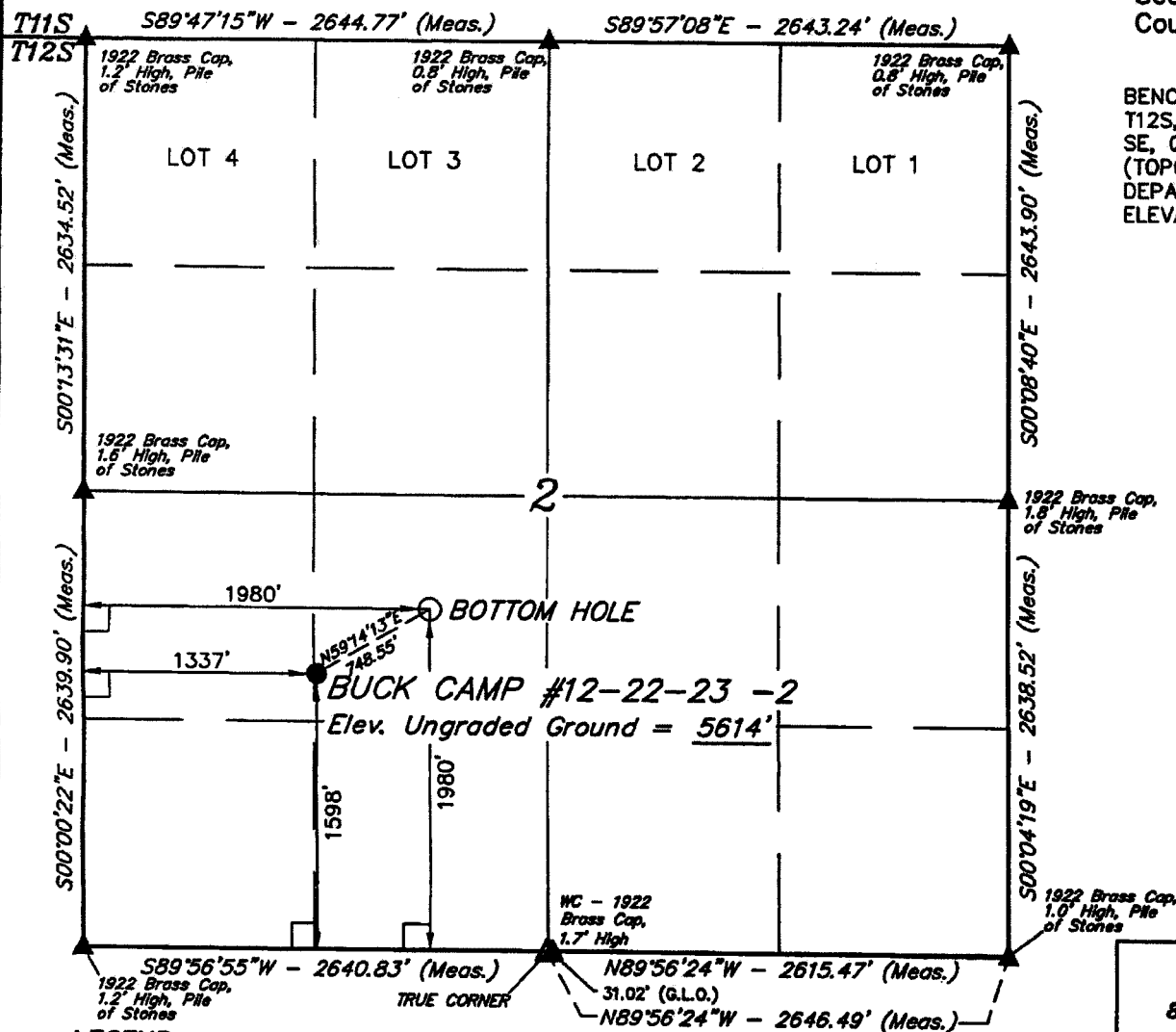
Approved by the
Utah Division of
Oil, Gas and Mining
APPROVAL:

Date: 08-21-06
By: [Signature]

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DIV. OF OIL, GAS & MINING

T12S, R22E, S.L.B.&M.



LEGEND:

- └ = 90° SYMBOL
- = PROPOSED WELL HEAD.
- ▲ = SECTION CORNERS LOCATED.
- △ = TRUE CORNER

(AUTONOMOUS NAD 83)
 LATITUDE = 39°47'59.15" (39.799764)
 LONGITUDE = 109°25'37.22" (109.427006)
 (AUTONOMOUS NAD 27)
 LATITUDE = 39°47'59.27" (39.799797)
 LONGITUDE = 109°25'34.78" (109.426328)

ENDURING RESOURCES, LLC.

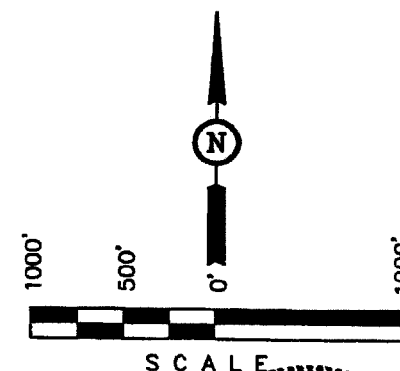
Well location, BUCK CAMP #12-22-23 -2,
 located as shown in the NE 1/4 SW 1/4 of
 Section 2, T12S, R22E, S.L.B.&M. Uintah
 County, Utah.

BASIS OF ELEVATION

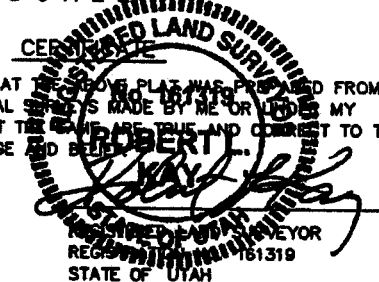
BENCH MARK 87 EAM LOCATED IN THE SW 1/4 OF SECTION 1,
 T12S, R23E, S.L.B.&M. TAKEN FROM THE ARCHY BENCH
 SE, QUADRANGLE, UTAH, UTAH COUNTY, 7.5 MINUTE SERIES
 (TOPOGRAPHICAL MAP) PUBLISHED BY THE UNITED STATES
 DEPARTMENT OF THE INTERIOR, GEOLOGICAL SURVEY. SAID
 ELEVATION IS MARKED AS BEING 5887 FEET.

BASIS OF BEARINGS

BASIS OF BEARINGS IS A G.P.S. OBSERVATION.



THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM
 FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY
 SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE
 BEST OF MY KNOWLEDGE AND BELIEF.



UINTAH ENGINEERING & LAND SURVEYING
 85 SOUTH 200 EAST - VERNAL, UTAH 84078
 (435) 789-1017

SCALE 1" = 1000'	DATE SURVEYED: 01-09-06	DATE DRAWN: 01-10-06
PARTY T.A. J.H. L.K.	REFERENCES G.L.O. PLAT	
WEATHER COLD	FILE ENDURING RESOURCES, LLC.	

Removed
incorrect
headers
of on following
pages.

Enduring Resources, LLC
Buck Camp 12-22-23-2
NE-SW 2-T12S-R22E Surface
NE-SW 2-T12S-R22E BHL
Uintah County, Utah
State Lease: ML-47087

43-047-38483

ONSHORE ORDER 1 - DRILLING PLAN

1. Estimated Tops of Geological Markers:

Formation	Depth (K.B.)
Uinta	Surface
Green River	380
Wasatch	2830
Mesaverde	4870

2. Estimated Depths of Anticipated Water, Oil, Gas or Other Minerals:

Substance	Formation	Depth (K.B.)
	KB-Uinta Elevation: 5630'	
Oil / Gas	Green River	380
Oil / Gas	Wasatch	2830
Oil / Gas	Mesaverde	4870
	Estimated TD	7850
	Estimated MD	7956

A 11" hole will be drilled to approximately 2000 feet. The depth will be determined by the depth that the Birds Nest zone is encountered. The hole will be drilled 400 feet beyond the top of the Birds Nest zone and surface casing will be set.

3. Pressure Control Equipment: (3000 psi schematic attached)

A. Type: Eleven (11) inch double gate hydraulic BOP with eleven (11) inch annular preventer on 3,000 psi casinghead, with 3,000 psi choke manifold equipped per the attached diagram. BOPE as specified in *Onshore Oil & Gas Order Number 2*. A PVT, stroke counter and flow sensor will be installed to check for flow and monitor pit volume.

B. Pressure Rating: 3,000 psi BOPE

C. Kelly will be equipped with upper and lower Kelly valves.

D. Testing Procedure: Annular Preventer

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DIV. OF OIL, GAS & MINING

At a minimum, the annular preventer will be pressure tested to 50% of the stack rated working pressure for a period of ten (10) minutes or until provisions of the test are met, whichever is longer.

At a minimum, the above pressure test will be performed:

1. When the annular preventer is initially installed;
2. Whenever any seal subject to test pressure is broken;
3. Following related repairs; and
4. At thirty (30) day intervals.

In addition to the above, the annular preventer will be functionally operated at least weekly.

Blow-Out Preventer

At a minimum, the BOP, choke manifold, and related equipment will be pressure tested to the approved working pressure of the BOP stack (if isolated from the surface casing by a test plug) or to 70% of the internal yield strength of the surface casing (if the BOP is not isolated from the casing by a test plug). Pressure will be maintained for a period of at least ten (10) minutes or until the requirements of the test are met, whichever is longer.

At a minimum, the above pressure test will be performed:

1. When the BOP is initially installed;
2. Whenever any seal subject to test pressure is broken;
3. Following related repairs; and
4. At thirty (30) day intervals.

In addition to the above, the pipe and blind rams will be activated each trip, but not more than once each day. All BOP drills and tests will be recorded in the IADC driller's log.

E. Miscellaneous Information:

The blowout preventer and related pressure control equipment will be installed, tested and maintained in compliance with the specifications in and requirements of *Onshore Oil & Gas Order Number 2*.

4. Proposed Casing & Cementing Program:

A. Casing Program: All New

Hole Size	Casing Size	Wt./Ft.	Grade	Joint	Depth Set (MD)
20"	14" O.D.				40' (GL)
11"	8-5/8"	24#	J-55	ST&C	0 – 2,016' (KB) est.
7-7/8"	4-1/2"	11.6#	N-80	LT&C	0 – 7956' (KB)

The surface casing will have guide shoe, 1 joint, insert float collar. Centralize the shoe joint with bowspring centralizers in the middle and top of the joint and the next 16 joints with bowspring centralizers on every other collar (8 centralizers total). Thread lock guide shoe.

Casing string(s) will be pressure tested to 0.22 psi/foot of casing string length or 1500 psi, whichever is greater (not to exceed 70% of the internal yield strength of the casing), after cementing and prior to drilling out from under the casing shoe.

B. Casing Design Parameters:

Depth (MD)	Casing	Collapse(psi)/SF	Burst (psi)/SF	Tension(mlbs)/SF
40' (GL)	14" OD			
2016' (KB)	8-5/8", 24#/ft, J55, STC	1370/1.52(a)	2950/3.28(b)	244/5.81(c)
7956' (KB)	4-1/2", 11.6#/ft, N-80, LTC	6350/1.54 (d)	7780/2.05 (e)	223/2.81(f)

- (a.) based on full evacuation of pipe with 8.6 ppg fluid on annulus
- (b.) based on 8.6 ppg gradient with no fluid on annulus
- (c.) based on casing string weight in 8.6 ppg mud
- (d.) based on full evacuation of pipe with 10.0 ppg fluid on annulus
- (e.) based on 9.2 ppg gradient, gas to surface, with no fluid on annulus, no gas gradient
- (f.) based on casing string weight in 9.2 ppg mud

PROPOSED CEMENTING PROGRAM

Surface Casing (if well will circulate)-Cemented to surface

CASING	SLURRY	FT. of FILL	CEMENT TYPE	SXS	EXCESS (%)	WEIGHT (ppg)	YIELD (ft ³ /sx)
8-5/8"	Lead	1516	Premium cement + 16% gel + 0.25 pps celloflake	138	25%	11.1	3.50
8-5/8"	Tail	500	Premium cement + 2% CaCl ₂ + 0.25 pps celloflake	138	25%	15.8	1.15

A cement top job is required if cement fallback is greater than 10' below ground level. Top job (weight 15.8 ppg, yield 1.15 ft³/sx) cement will be premium cement w/ 3% CaCl₂.+0.25 pps celloflake. Volume as required

Surface Casing (if well will not circulate) - Cemented to surface

CASING	SLURRY	FT. of FILL	CEMENT TYPE	SXS	EXCESS (%)	WEIGHT (ppg)	YIELD (ft ³ /sx)
8-5/8"	Lead	500	Premium cement + 2% CaCl ₂ + 0.25 pps celloflake	138	25	15.8	1.15
8-5/8"	Top job	As req.	Premium cement + 3% CaCl ₂ + 0.25 pps celloflake	As Req.		15.8	1.15

Production Casing and Liner - Cemented TD to 300' above base of surface casing

CASING	SLURRY	FT. of FILL	CEMENT TYPE	SXS	EXCESS (%)	WEIGHT (ppg)	YIELD (ft ³ /sx)
4-1/2"	Lead	714	Class "G" + 5% NaCl + 12% Gel + 0.25 pps celloflake + 0.2% antifoam + 0.25% fluid loss + 1% extender	64	25	11.0	3.3
4-1/2"	Tail	5526	50/50 POZ Class G + 2% gel +1% CaCl ₂ + 0.2% dispersant + 0.2% fluid loss + 0.1% antifoam	1009	25	14.3	1.56

Cement volumes for the 4-1/2" Production Casing will be calculated to provide a top of cement to 300' above base of surface casing. Cement volumes are approximate and were calculated under the assumption that a gauge hole will be achieved. Actual cement volumes may vary due to variations in the actual hole size and will be determined by running a caliper log on the drilled hole. Actual cement types may vary due to hole conditions and cement contractor used.

All waiting on cement (WOC) times will be adequate to achieve a minimum of 500 psi compressive strength at the casing shoe prior to drilling out.

5. **Drilling Fluids (mud) Program:**

Interval (MD)	Mud Weight	Fluid Loss	Viscosity	Mud Type
0' – 2016' (KB)		No cntrl		Air/mist
2000'-3000' (KB)	8.4-8.6	No cntrl	28-36	Water
3000'-7956' (KB)	8.8-9.8	8 - 10 ml	32-42	Water/Gel

Sufficient mud material(s) to maintain mud properties, control lost circulation and contain a blowout will be available at the well site during drilling operations.

6. **Evaluation Program:**

Tests: No tests are currently planned.

Coring: No cores are currently planned.

Samples: No sampling is currently planned.

Logging

- Dual Induction – SFL /Gamma Ray/Caliper/SP/TDLT/CNL/ML
TD to Base Surface Casing
- Cement Bond Log / Gamma Ray:
TD to Base of Surface Casing or Top of Cement if below Base of Surface Casing

Stimulation: A stimulation or frac treatment will be designed for completion of this well based on openhole log analysis. The drill site, as approved, will be sufficient size to accommodate all completion activities.

7. Abnormal Conditions:

No abnormal temperatures or pressures are anticipated. No H₂S has been encountered or known to exist from previous wells drilled to similar depths in the general area.

Maximum anticipated bottom hole pressure equals approximately 4137 psi (calculated at 0.52psi/foot of hole) and maximum anticipated surface pressure equals approximately 2387 psi (anticipated bottom hole pressure minus the pressure of a partially evacuated hole calculated at 0.22 psi/foot of hole).

8. Anticipated Starting Dates:

- Anticipated Commencement Date- Within one year of APD issue.
- Drilling Days- Approximately 10 days
- Completion Days - Approximately 10 days
- Anticipate location construction within 30 days of permit issue.

9. Variances:

None anticipated

10. Other:

A Cultural Resource Inventory and Paleontology reconnaissance shall be conducted for the well location, access route and pipeline. The reports shall be submitted to the Division of Oil, Gas and Mining and the School and Institutional Trust lands Administration upon their receipt.

Single Shot directional surveys will be dropped every 2000 feet to monitor hole angle.

**Enduring Resources, LLC
Buck Camp 12-22-23-2
NE-SW 2-T12S-R22E Surface
NE-SW 2-T12S-R22E BHL
Uintah County, Utah
State Lease: ML-47087**

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- A. Type: Eleven (11) inch double gate hydraulic BOP with eleven (11) inch annular preventer on 3,000 psi casinghead, with 3,000 psi choke manifold equipped per the attached diagram. BOPE as specified in *Onshore Oil & Gas Order Number 2*. A PVT, stroke counter and flow sensor will be installed to check for flow and monitor pit volume.
- B. Pressure Rating: 3,000 psi BOPE
- C. Kelly will be equipped with upper and lower Kelly valves.
- D. Testing Procedure: Annular Preventer

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Casing string(s) will be pressure tested to 0.22 psi/foot of casing string length or 1500 psi, whichever is greater (not to exceed 70% of the internal yield strength of the casing), after cementing and prior to drilling out from under the casing shoe.

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ENDURING RESOURCES, LLC.
BUCK CAMP #12-22-23 -2 & #12-22-14 -2
SECTION 2, T12S, R22E, S.L.B.&M.

PROCEED IN A WESTERLY DIRECTION FROM VERNAL, UTAH ALONG U.S. HIGHWAY 40 APPROXIMATELY 14.0 MILES TO THE JUNCTION OF STATE HIGHWAY 88; EXIT LEFT AND PROCEED IN A SOUTHERLY DIRECTION APPROXIMATELY 17.0 MILES TO OURAY, UTAH; PROCEED IN A SOUTHERLY, THEN SOUTHEASTERLY, THEN SOUTHWESTERLY DIRECTION APPROXIMATELY 11.2 MILES ALONG THE SEEP RIDGE ROAD TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE EAST; TURN LEFT AND PROCEED IN AN EASTERLY, THEN SOUTHEASTERLY DIRECTION APPROXIMATELY 9.6 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE SOUTHEAST; TURN RIGHT AND PROCEED IN A SOUTHEASTERLY, THEN SOUTHWESTERLY DIRECTION APPROXIMATELY 1.7 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE SOUTH; TURN LEFT AND PROCEED IN A SOUTHERLY, THEN SOUTHEASTERLY DIRECTION APPROXIMATELY 9.1 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE SOUTHEAST; TURN LEFT AND PROCEED IN A SOUTHEASTERLY, THEN NORTHEASTERLY, THEN SOUTHEASTERLY, THEN SOUTHWESTERLY DIRECTION APPROXIMATELY 7.5 MILES TO THE BEGINNING OF THE PROPOSED ACCESS FOR THE #12-22-13-2 TO THE WEST; FOLLOW ROAD FLAGS IN A WESTERLY, THEN SOUTHWESTERLY DIRECTION APPROXIMATELY 0.4 MILES TO THE BEGINNING OF THE PROPOSED ACCESS TO THE SOUTHEAST; FOLLOW ROAD FLAGS IN A SOUTHEASTERLY DIRECTION APPROXIMATELY 300' TO THE PROPOSED LOCATION.

TOTAL DISTANCE FROM VERNAL, UTAH TO THE PROPOSED WELL LOCATION IS APPROXIMATELY 70.55 MILES.

Enduring Resources, LLC

Buck Camp 12-22-23-2
NE-SW 2-12S-22E BHL
NE-SW 2-12S-22E Surface
Uintah County, Utah
State Lease: ML-47087

MULTI-POINT SURFACE USE & OPERATIONS PLAN

1. Existing Roads:

Buck Camp #12-22-23-2 & #12-22-14-2

Proceed In A Westerly Direction From Vernal, Utah Along U.S. Highway 40 Approximately 14.0 Miles To The Junction Of State Highway 88; Exit Left And Proceed In A Southerly Direction Approximately 17.0 Miles To Ouray, Utah; Proceed In A Southerly, Then Southeasterly, Then Southwesterly Direction Approximately 11.2 Miles Along The Seep Ridge Road To The Junction Of This Road And An Existing Road To The East; Turn Left And Proceed In An Easterly, Then Southeasterly Direction Approximately 9.6 Miles To The Junction Of This Road And An Existing Road To The Southeast; Turn Right And Proceed In A Southeasterly, Then Southwesterly Direction Approximately 1.7 Miles To The Junction Of This Road And An Existing Road To The South; Turn Left And Proceed In A Southerly, Then Southeasterly Direction Approximately 9.1 Miles To The Junction Of This Road And An Existing Road To The Southeast; Turn Left And Proceed In A Southeasterly, Then Northeasterly, Then Southeasterly, Then Southwesterly Direction Approximately 7.5 Miles To The Beginning Of The Proposed Access For The #12-22-13-2 To The West; Follow Road Flags In A Westerly, Then Southwesterly Direction Approximately 0.4 Miles To The Beginning Of The Proposed Access To The Southeast; Follow Road Flags In A Southeasterly Direction Approximately 300' To The Proposed Location.

Total Distance From Vernal, Utah To The Proposed Well Location Is Approximately 70.55 Miles.

2. Planned Access Roads:

The proposed access road will be approximately 300 feet of new construction all on-lease.

ALL NEW CONSTRUCTION IS ON SITLA LANDS.

The proposed access road will be utilized to transport personnel, equipment and supplies to and from the proposed well site during drilling, completion and production operations. The road will be utilized year round.

The access road will be crowned 2% to 3%, ditched and constructed with a running surface of 18 feet and a maximum disturbed width of 30 feet right-of-way. Maximum grade of road is 5% or less. Graveling or capping the roadbed will be performed as necessary to provided a well constructed, safe road. No fence crossings, culverts, turnouts, cattle guards or major cuts and fills are required. Prior to construction or

upgrading, the proposed road shall be cleared of any snow and allowed to dry completely.

Surface disturbance and vehicular traffic will be limited to the proposed location and proposed access route. Any additional area needed will be approved in advance. All construction shall be in conformance with the standards outlined in the BLM and Forest Service publication: Surface Operating Standards for Oil and Gas Exploration and Development. 1989.

The road surface and shoulders will be kept in a safe usable condition and will be maintained in accordance with the original construction standards. All drainage ditches will be kept clear and free flowing and will be maintained according to original construction standards. The access road surface will be kept free of trash during operations. All traffic will be confined to the approved disturbed surface. Road drainage crossings shall be designed so they will not cause siltation or accumulation of debris in the drainage crossing nor shall the drainages be blocked by the road bed. Erosion of drainage ditches by runoff water shall be prevented by diverting water off at frequent intervals by means of cutouts. Upgrading shall not be allowed during muddy conditions. Should mud holes develop, they shall be filled in and detours around them avoided. When snow is removed from the road during the winter months, the snow shall be pushed outside of the borrow ditches and the turnouts kept clear so that snowmelt will be channeled away from the road.

3. Location of Existing Wells within a One-Mile radius (See "Topo" Map "C" attached):

The following wells are wells located within a one (1) mile or greater radius of the proposed location.

- | | | |
|----|-------|---|
| a. | None: | Water Wells: |
| b. | None: | Injection Wells: |
| c. | (1): | Producing Wells: |
| | | 1. Buck Camp 12-22-31-2 |
| d. | (2): | Drilling Wells: |
| | | 1. Buck Camp 12-22-13-2 |
| | | 2. Buck Camp 12-22-42-2 |
| e. | None: | Shut-in Wells: |
| f. | None: | Temporarily Abandoned Wells: |
| g. | None: | Disposal Wells: |
| h. | (1): | Abandoned Wells: |
| | | 1. Buck Camp Unit #1 |
| i. | None: | Dry Holes: |
| j. | None: | Observation Wells: |
| k. | (10): | Pending (staked) Wells: |
| | | 1. Enduring Resources has ten other wells staked in this section. |

4. Location of Existing and/or Proposed Facilities:

All production facilities will be located on the disturbed portion of the well pad and at a minimum of 25 feet from the toe of the back slope or the top of the fill slope.

A dike will be constructed completely around those production facilities which contain fluids (i.e. production tanks, produced water tanks and/or heater treater). These dikes will be constructed of compacted subsoil, be impervious, hold 100% of the capacity of the largest tank and be independent of the back cut.

All permanent (on site for six months or longer) above the ground structures constructed or installed, including pumping units, will be painted a flat, non-reflective, earth tone color to match one of the standard environmental colors, as determined by the Rocky Mountain Five State Inter-Agency Committee

All facilities will be painted within 6 months of installation. The color shall be designated by DOG&M and SITLA. Facilities required to comply with the Occupational Safety and Health Act (OSHA) will be excluded.

Any necessary pits will be properly fenced to protect livestock and prevent wildlife entry.

Gas Gathering Pipeline for this well will be:

270'	Surface Pipeline	On-Lease	SITLA
-0-	Surface Pipeline	Off-Lease	n/a

If this well is capable of economic production, a 4" (or less) steel surface gas gathering line and related equipment shall be installed. The surface gas gathering line shall be in use year round. A total of approximately less than 270 feet of surface gas gathering pipeline shall be laid on the surface to minimize surface disturbance:

The proposed pipeline will begin at the well site; and be laid on the surface next to the new access road (south side) to tie-in directly to a steel surface pipeline to the Buck Camp 12-22-24-2 well.

The meter run will be housed. The gas gathering line will be buried or anchored down from the wellhead to the meter.

Upon plugging and abandonment, the gas gathering line will be removed and the disturbed area will be re-contoured and restored as near as practical to the original condition. If necessary, re-seeding operations will be performed after completion of other reclamation operations.

5. Location and Type of Water Supply:

Whenever practical, water will be obtained from Enduring Resources LLC Water Right Number 49-2215 or Water Right Number 49-2216 (*See Townships of permitted Use below). If those sources are not available, a new water source shall be submitted prior

to commencing operations. (These permits have one-year terms and then must be renewed)

*Enduring Water Permits' Townships of Use:

T10S-R22E	T11S-R22E	<u>T12S-R22E</u>
T10S-R23E	T11S-R23E	T12S-R23E
T10S-R24E	T11S-R24E	T12S-R24E

Water will be hauled to the location over the roads marked on "Topo" Maps "A" and "B."

No water well is to be drilled on this lease.

6 Source of Construction Materials:

Surface and subsoil materials in the immediate area will be utilized for location and access road construction.

Any gravel will be obtained from a commercial source; however, gravel sized rock debris associated with location and access road construction may be used as access road surfacing material.

7. Methods of Handling Waste Materials:

Drill cuttings will be contained and buried in the reserve pit.

Drilling fluids, including salts and chemicals, will be contained in the reserve pit will be removed and disposed of at an approved waste disposal facility within 120 days after drilling is terminated.

The reserve pit will be constructed on the location and will not be located within natural drainage, where a flood hazard exists or surface runoff will destroy or damage the pit walls. The reserve pit will be constructed so that it will not leak, break or allow discharge of liquids.

The reserve pit will be lined with ¼ felt and a minimum of 16 mm plastic with sufficient bedding used to cover any rocks. The liner will overlap the pit walls and be covered with dirt and/or rocks to hold it in place. No trash or scrap that could puncture the will be disposed of in the pit.

A chemical portable toilet will be furnished with the drilling rig. The toilet will be replaced periodically utilizing a licensed contractor to transport by truck the portable chemical toilet so that its contents can be delivered to the Vernal Wastewater Treatment Facility in accordance with state and county regulations.

Garbage, trash and other waste materials will be collected in a portable, self-contained, fully enclosed trash cage during operations. No trash well is burned on location.

All debris and other waste material not contained in the trash cage will be cleaned up and removed from the location immediately after removal of the drilling rig.

Any open pits will be fenced during the operations. The fencing will be maintained until such time as the pits are backfilled.

No chemicals subject to reporting under SARA Title III (hazardous materials) in an amount greater than 10,000 pounds will be used, produced, stored, transported or disposed of in association with the drilling, completion or testing of this well. Furthermore, no extremely hazardous substances, as defined in 40 CFR 355, in threshold planning quantities, will be used, produced, stored, transported or disposed of in association with the drilling, completion or testing of this well.

Produced oil will be stored in an oil tank and then hauled by truck to a crude purchaser facility. Any produced water from the proposed well will be contained in a water tank and will then be hauled by truck to an approved disposal site.

8. Ancillary Facilities:

During drilling operations, approximately 20 days, the site will be a manned camp. Three or four additional trailers will be on location to serve as the crews' housing and eating facilities. These will be located on the perimeter of the pad site within the topsoil stockpiles. Refer to Sheet 4.

9. Well Site Layout: (Refer to Sheets #2, #3, and #4)

The attached Location Layout Diagrams described drill pad cross-sections, cuts and fills and locations of the mud tanks, reserve pit, flare pit, pipe racks, trailer parking, spoil dirt stockpile(s) and surface material stockpiles(s).

Please see the attached diagram for rig orientation and access roads.

The top soil will be windrowed rather than piled. It will be reseeded and track walker at the time the location is constructed. Seeding will be with the determined during the onsite. (Refer to "Seed Mixture for Windrowed Top Soil Will included:" following herein.

The top soil removed from the pit area will be store separately and will not be reseeded until the pit is reclaimed.

All pits shall be fence to the following minimum standards:

- a. 39 inch net wire shall be used with at least one strand of barbed wire on top of the net wire. Barbed wire is not necessary if pipe or some type of reinforcement rod is attached to the top of the entire fence.
- b. The net wire shall be no more than 2 inches above the ground. The barbed wire shall be 3 inches over the new wire. Total height of the fence shall be at least 42 inches.

- c. Corner posts shall be cemented and/or braced in such a manner to keep the fence tight at all times.
- d. Standard steel, wood or pipe posts shall be used between the corner braces. Maximum distance between any two fence posts shall be no greater than 16 feet.
- e. All wire shall be stretched by, using a stretching device, before it is attached to corner posts.
- f. The reserve pit fencing will be on three sides during drilling operations and on the fourth side when the rig moves off location. Pits will be fenced and maintained until cleanup.
- g. Location size may change prior to drilling the well due to the current rig availability. If the proposed location is not large enough to accommodate the drilling, the location will be re-surveyed and a Form 9 will be submitted.

10. **Plans for Surface Reclamation:**

Producing Location:

- a. Immediately upon well completion **of the last well to be drilled from this pad**, the location and surrounding area will be cleared of all unused tubing, equipment, materials, trash and debris not required for production.
- b. Immediately upon well completion any hydrocarbons in the pit shall be removed in accordance with 40CFR 3162.7.
- c. Before any dirt work associated with location restoration takes place, the reserve pit shall be as dry as possible. All debris in it will be removed. Other waste and spoil materials will be disposed of immediately upon completion of operations.
- d. The reserve pit and that portion of the location not needed for production (**or drilling other directional wells**) facilities/operations will be re-contoured to the approximated natural contours. The reserve pit will be reclaimed within 90 days from the date of well completion, weather permitting.
- e. To prevent surface water(s) from standing (ponding) on the reclaimed reserve pit area, final reclamation of the reserve pit will consist of "mounding" the surface 3 feet above surrounding round surface to allow the reclaimed pit area to drain effectively.
- f. Upon completion of back filling, leveling and re-contouring, the stockpiled topsoil will be spread evenly over the reclaimed area(s).

Dry Hole/Abandoned Location:

- i. Abandoned well sites, roads and other disturbed areas will be restored as nearly as practical to their original condition. Where applicable, these conditions include the re-establishment of irrigation systems, the re-establishment of appropriate soil conditions and re-establishment of vegetation as specified.
- ii. All disturbed surfaces will be re-contoured to the approximated natural contours with reclamation of the well pad and access road to be performed as soon as practical after final abandonment. If necessary, re-seeding operations will be performed after completion of other reclamation operations.

Seed Mixture for Windrowed Top Soil Will Included:

To be provided by the DOG&M and/or SITLA.

11. Surface Ownership: Location, Access and Pipeline Route:

Wellsite: SITLA

Access: SITLA

Pipeline: SITLA

12. Other Information**On-site Inspection for Location, Access and Pipeline Route:**

The on-site will be scheduled by SITLA and DOG&M.

Special Conditions of Approval:

- Tanks and Production Equipment shall be painted pursuant of SITLA and DOG&M.
- Surface Gathering Pipeline shall be 4" or less

Archeology:

- a. A Cultural Resource Inventory Report is pending and to be prepared by Montgomery Archaeological Consultants.

Paleontology:

- a. A Paleontology Reconnaissance Report is pending and to be prepared by Intermountain Paleo-Consulting.

If, during operations, any archaeological or historical sites, or any objects of antiquity (subject to the Antiquities Act of June 8, 1906) are discovered, all operations which would affect such sites will be suspended and the discovery reported promptly to the surface management agency.

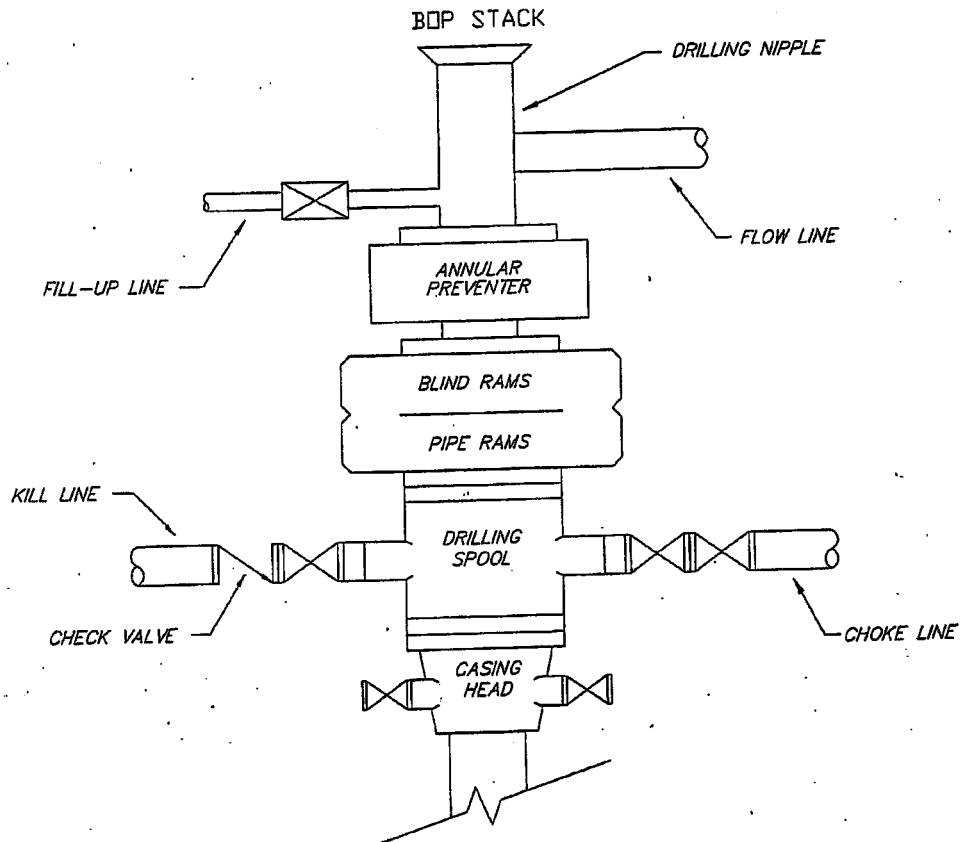
13. Lessee's or Operator's Representatives:**Representatives:**

Alvin R. (Al) Arlian
Landman – Regulatory Specialist
Enduring Resources, LLC
475 17th Street, Suite 1500
Denver, Colorado 80202
Office Tel: 303-350-5114
Fax Tel: 303-573-0461
aarlian@enduringresources.com

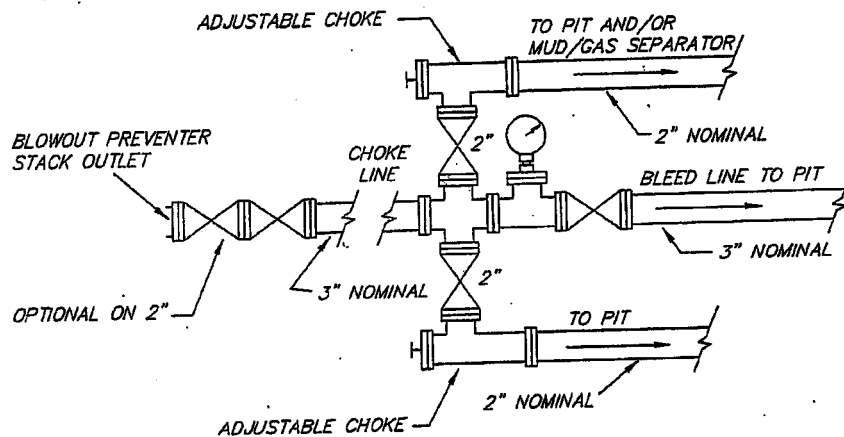
Teme Singleton
Drilling Engineer
Enduring Resources, LLC
475 17th Street, Suite 1500
Denver, Colorado 80202
Office Tel: 303-573-5711
Fax Tel: 303-573-0461
tsingleton@enduringresources.com

ENDURING RESOURCES, LLC

TYPICAL 3,000 p.s.i. BLOWOUT PREVENTER SCHEMATIC



TYPICAL 3,000 p.s.i. CHOKE MANIFOLD SCHEMATIC

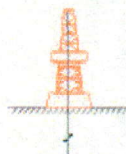




ENDURING RESOURCES
Buck Camp 12-22-23-2
NE/SW 2-12S-22E
Uintah County, Utah



Weatherford



RKB Elevation: 5630.0

Ground Elevation: 5614.5

SECTION DETAILS

Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	DLeg	TFace	VSec	Target
1	0.00	0.00	59.24	0.00	0.00	0.00	0.00	0.00	0.00	
2	2050.00	0.00	59.24	2050.00	0.00	0.00	0.00	0.00	0.00	KOP
3	2650.01	18.00	59.24	2640.19	47.81	80.33	3.00	59.24	93.48	End Build
4	4316.08	18.00	59.24	4224.72	311.13	522.75	0.00	0.00	608.33	Start Drop
5	5216.10	0.00	59.24	5110.00	382.84	643.24	2.00	180.00	748.55	End Drop
6	7956.10	0.00	59.24	7850.00	382.84	643.24	0.00	59.24	748.55	TD

WELL DETAILS

Name	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Slot
Buck Camp 12-22-23-2	7.02	24.00	7102551.96	2222779.94	39°47'59.149N	109°25'37.212W	N/A

FIELD DETAILS

Uintah, Utah
Utah Central Zone
U.S.A.

Geodetic System: US State Plane Coordinate System 1983
Ellipsoid: GRS 1980
Zone: Utah, Central Zone
Magnetic Model: igrf2005
System Datum: Mean Sea Level
Local North: True North

SITE DETAILS

NW/SW 2-12S-22E
Sec. 2, T12S, R22E, Uintah County, Utah
1591 FSL & 1313 FWL

Site Centre Latitude: 39°47'59.080N
Longitude: 109°25'37.520W
Ground Level: 5614.50
Positional Uncertainty: 0.00
Convergence: 1.33

TARGET DETAILS

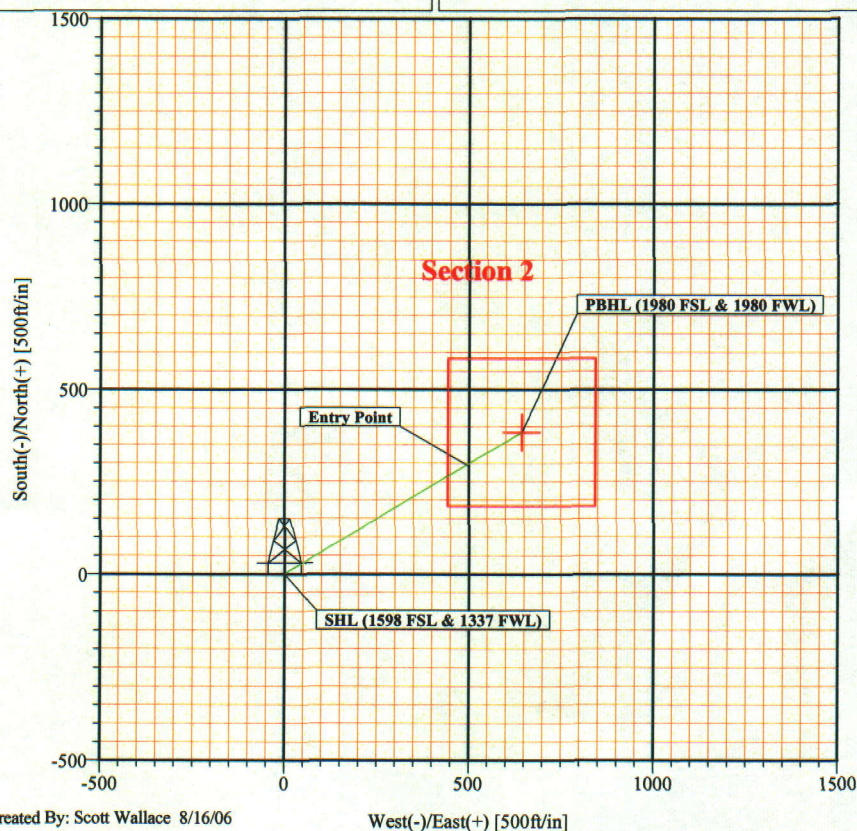
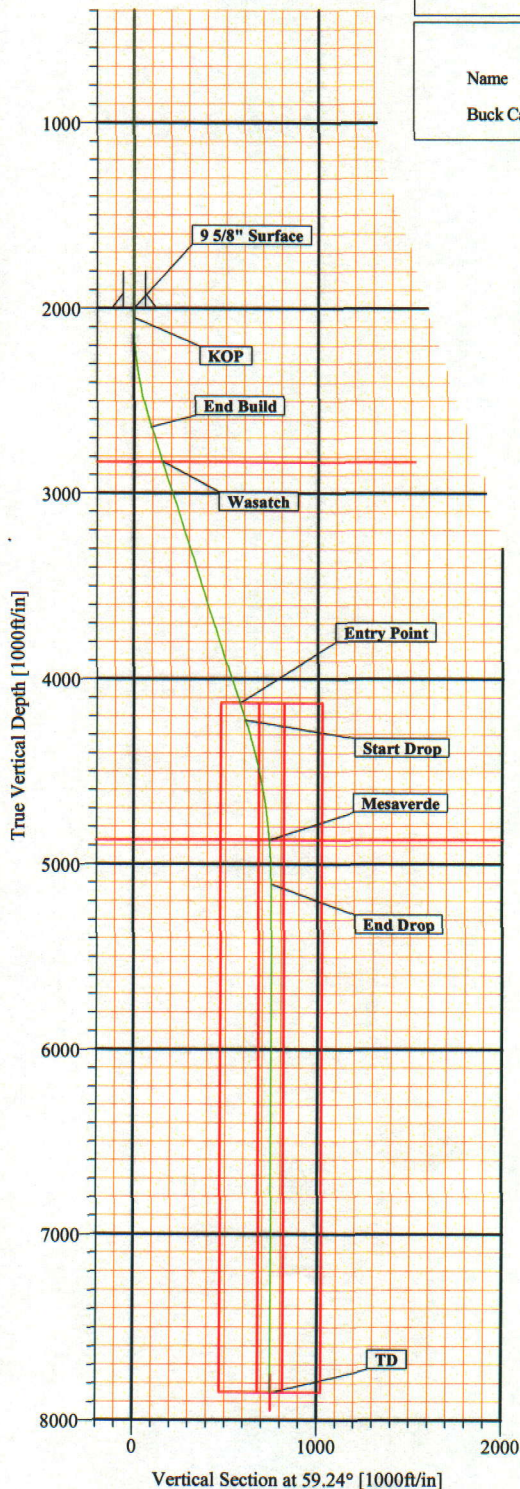
Name	TVD	+N/-S	+E/-W	Shape
12-22-23-2 Target	7850.00	382.84	643.24	Rectangle (400x400)

CASING DETAILS

No.	TVD	MD	Name	Size
1	2000.00	2000.00	9 5/8" Surface	9.625

FORMATION TOP DETAILS

No.	TVDPath	MDPath	Formation
1	380.00	380.00	Green River
2	2830.00	2849.59	Wasatch
3	4870.00	4975.82	Mesaverde



Created By: Scott Wallace 8/16/06

West(-)/East(+) [500ft/in]

Weatherford International

Planning Report

Company: Enduring Resources Field: Uintah, Utah Site: NW/SW 2-12S-22E Well: Buck Camp 12-22-23-2 Wellpath: 1	Date: 8/16/2006 Co-ordinate(NE) Reference: Well: Buck Camp 12-22-23-2, True North Vertical (TVD) Reference: SITE 5630.0 Section (VS) Reference: Well (0.00N,0.00E,59.24Azi) Plan: Plan #1	Time: 14:18:05 Page: 1
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Field: Uintah, Utah Utah Central Zone U.S.A. Map System: US State Plane Coordinate System 1983 Geo Datum: GRS 1980 Sys Datum: Mean Sea Level	Map Zone: Utah, Central Zone Coordinate System: Well Centre Geomagnetic Model: igrf2005
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Site: NW/SW 2-12S-22E Sec. 2, T12S, R22E, Uintah County, Utah 1591 FSL & 1313 FWL Site Position: From: Geographic Position Uncertainty: 0.00 ft Ground Level: 5614.50 ft	Northing: 7102544.38 ft Easting: 2222756.11 ft Latitude: 39 47 59.080 N Longitude: 109 25 37.520 W North Reference: True Grid Convergence: 1.33 deg
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Well: Buck Camp 12-22-23-2 Well Position: +N/-S 7.02 ft +E/-W 24.00 ft Position Uncertainty: 0.00 ft	Slot Name: Northing: 7102551.96 ft Easting: 2222779.94 ft Latitude: 39 47 59.149 N Longitude: 109 25 37.212 W
--	--

Wellpath: 1 Current Datum: SITE Magnetic Data: 8/16/2006 Field Strength: 52768 nT Vertical Section: Depth From (TVD) ft	Drilled From: Surface Tie-on Depth: 0.00 ft Above System Datum: Mean Sea Level Declination: 11.62 deg Mag Dip Angle: 65.84 deg +N/-S ft +E/-W ft Direction deg 7850.00 0.00 0.00 59.24
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Plan: Plan #1 Principal: Yes	Date Composed: 8/16/2006 Version: 1 Tied-to: From Surface
---	--

Plan Section Information

MD ft	Incl deg	Azim deg	TVD ft	+N/-S ft	+E/-W ft	DLS deg/100ft	Build deg/100ft	Turn deg/100ft	TFO deg	Target
0.00	0.00	59.24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
2050.00	0.00	59.24	2050.00	0.00	0.00	0.00	0.00	0.00	0.00	
2650.01	18.00	59.24	2640.19	47.81	80.33	3.00	3.00	0.00	59.24	
4316.08	18.00	59.24	4224.72	311.13	522.75	0.00	0.00	0.00	0.00	
5216.10	0.00	59.24	5110.00	382.84	643.24	2.00	-2.00	0.00	180.00	
7956.10	0.00	59.24	7850.00	382.84	643.24	0.00	0.00	0.00	59.24	12-22-23-2 Target

Section 1 : Start Hold

MD ft	Incl deg	Azim deg	TVD ft	+N/-S ft	+E/-W ft	VS ft	DLS deg/100ft	Build deg/100ft	Turn deg/100ft	TFO deg
0.00	0.00	59.24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2000.00	0.00	59.24	2000.00	0.00	0.00	0.00	0.00	0.00	0.00	59.24
2050.00	0.00	59.24	2050.00	0.00	0.00	0.00	0.00	0.00	0.00	59.24

Section 2 : Start Build 3.00

MD ft	Incl deg	Azim deg	TVD ft	+N/-S ft	+E/-W ft	VS ft	DLS deg/100ft	Build deg/100ft	Turn deg/100ft	TFO deg
2100.00	1.50	59.24	2099.99	0.33	0.56	0.65	3.00	3.00	0.00	0.00
2200.00	4.50	59.24	2199.85	3.01	5.06	5.89	3.00	3.00	0.00	0.00
2300.00	7.50	59.24	2299.29	8.36	14.04	16.34	3.00	3.00	0.00	0.00
2400.00	10.50	59.24	2398.04	16.36	27.48	31.98	3.00	3.00	0.00	0.00
2500.00	13.50	59.24	2495.85	26.99	45.35	52.77	3.00	3.00	0.00	0.00
2600.00	16.50	59.24	2592.43	40.22	67.58	78.65	3.00	3.00	0.00	0.00
2650.01	18.00	59.24	2640.19	47.81	80.33	93.48	3.00	3.00	0.00	0.00

Weatherford International

Planning Report

Company: Enduring Resources
Field: Uintah, Utah
Site: NW/SW 2-12S-22E
Well: Buck Camp 12-22-23-2
Wellpath: 1

Date: 8/16/2006 **Time:** 14:18:05 **Page:** 2
Co-ordinate(NE) Reference: Well: Buck Camp 12-22-23-2, True North
Vertical (TVD) Reference: SITE 5630.0
Section (VS) Reference: Well (0.00N,0.00E,59.24Azi)
Plan: Plan #1

Section 3 : Start Hold

MD ft	Incl deg	Azim deg	TVD ft	+N/-S ft	+E/-W ft	VS ft	DLS deg/100ft	Build deg/100ft	Turn deg/100ft	TFO deg
2700.00	18.00	59.24	2687.73	55.71	93.60	108.93	0.00	0.00	0.00	0.00
2800.00	18.00	59.24	2782.84	71.51	120.16	139.83	0.00	0.00	0.00	0.00
2849.59	18.00	59.24	2830.00	79.35	133.33	155.15	0.00	0.00	0.00	0.00
2900.00	18.00	59.24	2877.94	87.32	146.71	170.73	0.00	0.00	0.00	0.00
3000.00	18.00	59.24	2973.05	103.12	173.27	201.63	0.00	0.00	0.00	0.00
3100.00	18.00	59.24	3068.15	118.93	199.82	232.54	0.00	0.00	0.00	0.00
3200.00	18.00	59.24	3163.26	134.73	226.38	263.44	0.00	0.00	0.00	0.00
3300.00	18.00	59.24	3258.36	150.54	252.93	294.34	0.00	0.00	0.00	0.00
3400.00	18.00	59.24	3353.47	166.34	279.49	325.24	0.00	0.00	0.00	0.00
3500.00	18.00	59.24	3448.58	182.15	306.04	356.14	0.00	0.00	0.00	0.00
3600.00	18.00	59.24	3543.68	197.95	332.60	387.05	0.00	0.00	0.00	0.00
3700.00	18.00	59.24	3638.79	213.76	359.15	417.95	0.00	0.00	0.00	0.00
3800.00	18.00	59.24	3733.89	229.56	385.70	448.85	0.00	0.00	0.00	0.00
3900.00	18.00	59.24	3829.00	245.37	412.26	479.75	0.00	0.00	0.00	0.00
4000.00	18.00	59.24	3924.10	261.17	438.81	510.66	0.00	0.00	0.00	0.00
4100.00	18.00	59.24	4019.21	276.98	465.37	541.56	0.00	0.00	0.00	0.00
4200.00	18.00	59.24	4114.31	292.78	491.92	572.46	0.00	0.00	0.00	0.00
4216.49	18.00	59.24	4130.00	295.39	496.30	577.56	0.00	0.00	0.00	0.00
4300.00	18.00	59.24	4209.42	308.59	518.48	603.36	0.00	0.00	0.00	0.00
4316.08	18.00	59.24	4224.72	311.13	522.75	608.33	0.00	0.00	0.00	0.00

Section 4 : Start Drop -2.00

MD ft	Incl deg	Azim deg	TVD ft	+N/-S ft	+E/-W ft	VS ft	DLS deg/100ft	Build deg/100ft	Turn deg/100ft	TFO deg
4400.00	16.32	59.24	4304.89	323.79	544.03	633.09	2.00	-2.00	0.00	180.00
4500.00	14.32	59.24	4401.33	337.30	566.73	659.51	2.00	-2.00	0.00	180.00
4600.00	12.32	59.24	4498.64	349.09	586.53	682.56	2.00	-2.00	0.00	180.00
4700.00	10.32	59.24	4596.69	359.13	603.40	702.19	2.00	-2.00	0.00	180.00
4800.00	8.32	59.24	4695.36	367.41	617.32	718.38	2.00	-2.00	0.00	180.00
4900.00	6.32	59.24	4794.54	373.93	628.27	731.13	2.00	-2.00	0.00	180.00
4975.82	4.81	59.24	4870.00	377.69	634.59	738.48	2.00	-2.00	0.00	180.00
5000.00	4.32	59.24	4894.10	378.67	636.24	740.40	2.00	-2.00	0.00	-180.00
5100.00	2.32	59.24	4993.93	381.64	641.22	746.20	2.00	-2.00	0.00	180.00
5200.00	0.32	59.24	5093.90	382.82	643.20	748.50	2.00	-2.00	0.00	180.00
5216.10	0.00	59.24	5110.00	382.84	643.24	748.55	2.00	-2.00	0.00	-180.00

Section 5 : Start Hold

MD ft	Incl deg	Azim deg	TVD ft	+N/-S ft	+E/-W ft	VS ft	DLS deg/100ft	Build deg/100ft	Turn deg/100ft	TFO deg
5300.00	0.00	59.24	5193.90	382.84	643.24	748.55	0.00	0.00	0.00	59.24
5400.00	0.00	59.24	5293.90	382.84	643.24	748.55	0.00	0.00	0.00	59.24
5500.00	0.00	59.24	5393.90	382.84	643.24	748.55	0.00	0.00	0.00	59.24
5600.00	0.00	59.24	5493.90	382.84	643.24	748.55	0.00	0.00	0.00	59.24
5700.00	0.00	59.24	5593.90	382.84	643.24	748.55	0.00	0.00	0.00	59.24
5800.00	0.00	59.24	5693.90	382.84	643.24	748.55	0.00	0.00	0.00	59.24
5900.00	0.00	59.24	5793.90	382.84	643.24	748.55	0.00	0.00	0.00	59.24
6000.00	0.00	59.24	5893.90	382.84	643.24	748.55	0.00	0.00	0.00	59.24
6100.00	0.00	59.24	5993.90	382.84	643.24	748.55	0.00	0.00	0.00	59.24
6200.00	0.00	59.24	6093.90	382.84	643.24	748.55	0.00	0.00	0.00	59.24
6300.00	0.00	59.24	6193.90	382.84	643.24	748.55	0.00	0.00	0.00	59.24
6400.00	0.00	59.24	6293.90	382.84	643.24	748.55	0.00	0.00	0.00	59.24
6500.00	0.00	59.24	6393.90	382.84	643.24	748.55	0.00	0.00	0.00	59.24
6600.00	0.00	59.24	6493.90	382.84	643.24	748.55	0.00	0.00	0.00	59.24
6700.00	0.00	59.24	6593.90	382.84	643.24	748.55	0.00	0.00	0.00	59.24
6800.00	0.00	59.24	6693.90	382.84	643.24	748.55	0.00	0.00	0.00	59.24
6900.00	0.00	59.24	6793.90	382.84	643.24	748.55	0.00	0.00	0.00	59.24
7000.00	0.00	59.24	6893.90	382.84	643.24	748.55	0.00	0.00	0.00	59.24
7100.00	0.00	59.24	6993.90	382.84	643.24	748.55	0.00	0.00	0.00	59.24
7200.00	0.00	59.24	7093.90	382.84	643.24	748.55	0.00	0.00	0.00	59.24
7300.00	0.00	59.24	7193.90	382.84	643.24	748.55	0.00	0.00	0.00	59.24
7400.00	0.00	59.24	7293.90	382.84	643.24	748.55	0.00	0.00	0.00	59.24
7500.00	0.00	59.24	7393.90	382.84	643.24	748.55	0.00	0.00	0.00	59.24

Weatherford International

Planning Report

Company: Enduring Resources
Field: Uintah, Utah
Site: NW/SW 2-12S-22E
Well: Buck Camp 12-22-23-2
Wellpath: 1

Date: 8/16/2006 Time: 14:18:05 Page: 3
Co-ordinate(NE) Reference: Well: Buck Camp 12-22-23-2, True North
Vertical (TVD) Reference: SITE 5630.0
Section (VS) Reference: Well (0.00N,0.00E,59.24Azi)
Plan: Plan #1

Section 5 : Start Hold

MD ft	Incl deg	Azim deg	TVD ft	+N/-S ft	+E/-W ft	VS ft	DLS deg/100ft	Build deg/100ft	Turn deg/100ft	TFO deg
7600.00	0.00	59.24	7493.90	382.84	643.24	748.55	0.00	0.00	0.00	59.24
7700.00	0.00	59.24	7593.90	382.84	643.24	748.55	0.00	0.00	0.00	59.24
7800.00	0.00	59.24	7693.90	382.84	643.24	748.55	0.00	0.00	0.00	59.24
7900.00	0.00	59.24	7793.90	382.84	643.24	748.55	0.00	0.00	0.00	59.24
7956.10	0.00	59.24	7850.00	382.84	643.24	748.55	0.00	0.00	0.00	59.24

Survey

MD ft	Incl deg	Azim deg	TVD ft	+N/-S ft	+E/-W ft	VS ft	DLS deg/100ft	Build deg/100ft	Turn deg/100ft	Tool/Comment
2000.00	0.00	59.24	2000.00	0.00	0.00	0.00	0.00	0.00	0.00	9 5/8" Surface
2050.00	0.00	59.24	2050.00	0.00	0.00	0.00	0.00	0.00	0.00	KOP
2100.00	1.50	59.24	2099.99	0.33	0.56	0.65	3.00	3.00	0.00	MWD
2200.00	4.50	59.24	2199.85	3.01	5.06	5.89	3.00	3.00	0.00	MWD
2300.00	7.50	59.24	2299.29	8.36	14.04	16.34	3.00	3.00	0.00	MWD
2400.00	10.50	59.24	2398.04	16.36	27.48	31.98	3.00	3.00	0.00	MWD
2500.00	13.50	59.24	2495.85	26.99	45.35	52.77	3.00	3.00	0.00	MWD
2600.00	16.50	59.24	2592.43	40.22	67.58	78.65	3.00	3.00	0.00	MWD
2650.01	18.00	59.24	2640.19	47.81	80.33	93.48	3.00	3.00	0.00	End Build
2700.00	18.00	59.24	2687.73	55.71	93.60	108.93	0.00	0.00	0.00	MWD
2800.00	18.00	59.24	2782.84	71.51	120.16	139.83	0.00	0.00	0.00	MWD
2849.59	18.00	59.24	2830.00	79.35	133.33	155.15	0.00	0.00	0.00	Wasatch
2900.00	18.00	59.24	2877.94	87.32	146.71	170.73	0.00	0.00	0.00	MWD
3000.00	18.00	59.24	2973.05	103.12	173.27	201.63	0.00	0.00	0.00	MWD
3100.00	18.00	59.24	3068.15	118.93	199.82	232.54	0.00	0.00	0.00	MWD
3200.00	18.00	59.24	3163.26	134.73	226.38	263.44	0.00	0.00	0.00	MWD
3300.00	18.00	59.24	3258.36	150.54	252.93	294.34	0.00	0.00	0.00	MWD
3400.00	18.00	59.24	3353.47	166.34	279.49	325.24	0.00	0.00	0.00	MWD
3500.00	18.00	59.24	3448.58	182.15	306.04	356.14	0.00	0.00	0.00	MWD
3600.00	18.00	59.24	3543.68	197.95	332.60	387.05	0.00	0.00	0.00	MWD
3700.00	18.00	59.24	3638.79	213.76	359.15	417.95	0.00	0.00	0.00	MWD
3800.00	18.00	59.24	3733.89	229.56	385.70	448.85	0.00	0.00	0.00	MWD
3900.00	18.00	59.24	3829.00	245.37	412.26	479.75	0.00	0.00	0.00	MWD
4000.00	18.00	59.24	3924.10	261.17	438.81	510.66	0.00	0.00	0.00	MWD
4100.00	18.00	59.24	4019.21	276.98	465.37	541.56	0.00	0.00	0.00	MWD
4200.00	18.00	59.24	4114.31	292.78	491.92	572.46	0.00	0.00	0.00	MWD
4216.49	18.00	59.24	4130.00	295.39	496.30	577.56	0.00	0.00	0.00	Entry Point
4300.00	18.00	59.24	4209.42	308.59	518.48	603.36	0.00	0.00	0.00	MWD
4316.08	18.00	59.24	4224.72	311.13	522.75	608.33	0.00	0.00	0.00	Start Drop
4400.00	16.32	59.24	4304.89	323.79	544.03	633.09	2.00	-2.00	0.00	MWD
4500.00	14.32	59.24	4401.33	337.30	566.73	659.51	2.00	-2.00	0.00	MWD
4600.00	12.32	59.24	4498.64	349.09	586.53	682.56	2.00	-2.00	0.00	MWD
4700.00	10.32	59.24	4596.69	359.13	603.40	702.19	2.00	-2.00	0.00	MWD
4800.00	8.32	59.24	4695.36	367.41	617.32	718.38	2.00	-2.00	0.00	MWD
4900.00	6.32	59.24	4794.54	373.93	628.27	731.13	2.00	-2.00	0.00	MWD
4975.82	4.81	59.24	4870.00	377.69	634.59	738.48	2.00	-2.00	0.00	Mesaverde
5000.00	4.32	59.24	4894.10	378.67	636.24	740.40	2.00	-2.00	0.00	MWD
5100.00	2.32	59.24	4993.93	381.64	641.22	746.20	2.00	-2.00	0.00	MWD
5200.00	0.32	59.24	5093.90	382.82	643.20	748.50	2.00	-2.00	0.00	MWD
5216.10	0.00	59.24	5110.00	382.84	643.24	748.55	2.00	-2.00	0.00	End Drop
5300.00	0.00	59.24	5193.90	382.84	643.24	748.55	0.00	0.00	0.00	MWD
5400.00	0.00	59.24	5293.90	382.84	643.24	748.55	0.00	0.00	0.00	MWD
5500.00	0.00	59.24	5393.90	382.84	643.24	748.55	0.00	0.00	0.00	MWD
5600.00	0.00	59.24	5493.90	382.84	643.24	748.55	0.00	0.00	0.00	MWD
5700.00	0.00	59.24	5593.90	382.84	643.24	748.55	0.00	0.00	0.00	MWD

Weatherford International

Planning Report

Company: Enduring Resources Field: Uintah, Utah Site: NW/SW 2-12S-22E Well: Buck Camp 12-22-23-2 Wellpath: 1	Date: 8/16/2006 Time: 14:18:05 Page: 4 Co-ordinate(NE) Reference: Well: Buck Camp 12-22-23-2, True North Vertical (TVD) Reference: SITE 5630.0 Section (VS) Reference: Well (0.00N,0.00E,59.24Azi) Plan: Plan #1
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Survey

MD ft	Incl deg	Azim deg	TVD ft	+N/-S ft	+E/-W ft	VS ft	DLS deg/100ft	Build deg/100ft	Turn deg/100ft	Tool/Comment
5800.00	0.00	59.24	5693.90	382.84	643.24	748.55	0.00	0.00	0.00	MWD
5900.00	0.00	59.24	5793.90	382.84	643.24	748.55	0.00	0.00	0.00	MWD
6000.00	0.00	59.24	5893.90	382.84	643.24	748.55	0.00	0.00	0.00	MWD
6100.00	0.00	59.24	5993.90	382.84	643.24	748.55	0.00	0.00	0.00	MWD
6200.00	0.00	59.24	6093.90	382.84	643.24	748.55	0.00	0.00	0.00	MWD
6300.00	0.00	59.24	6193.90	382.84	643.24	748.55	0.00	0.00	0.00	MWD
6400.00	0.00	59.24	6293.90	382.84	643.24	748.55	0.00	0.00	0.00	MWD
6500.00	0.00	59.24	6393.90	382.84	643.24	748.55	0.00	0.00	0.00	MWD
6600.00	0.00	59.24	6493.90	382.84	643.24	748.55	0.00	0.00	0.00	MWD
6700.00	0.00	59.24	6593.90	382.84	643.24	748.55	0.00	0.00	0.00	MWD
6800.00	0.00	59.24	6693.90	382.84	643.24	748.55	0.00	0.00	0.00	MWD
6900.00	0.00	59.24	6793.90	382.84	643.24	748.55	0.00	0.00	0.00	MWD
7000.00	0.00	59.24	6893.90	382.84	643.24	748.55	0.00	0.00	0.00	MWD
7100.00	0.00	59.24	6993.90	382.84	643.24	748.55	0.00	0.00	0.00	MWD
7200.00	0.00	59.24	7093.90	382.84	643.24	748.55	0.00	0.00	0.00	MWD
7300.00	0.00	59.24	7193.90	382.84	643.24	748.55	0.00	0.00	0.00	MWD
7400.00	0.00	59.24	7293.90	382.84	643.24	748.55	0.00	0.00	0.00	MWD
7500.00	0.00	59.24	7393.90	382.84	643.24	748.55	0.00	0.00	0.00	MWD
7600.00	0.00	59.24	7493.90	382.84	643.24	748.55	0.00	0.00	0.00	MWD
7700.00	0.00	59.24	7593.90	382.84	643.24	748.55	0.00	0.00	0.00	MWD
7800.00	0.00	59.24	7693.90	382.84	643.24	748.55	0.00	0.00	0.00	MWD
7900.00	0.00	59.24	7793.90	382.84	643.24	748.55	0.00	0.00	0.00	MWD
7956.10	0.00	59.24	7850.00	382.84	643.24	748.55	0.00	0.00	0.00	12-22-23-2 Target

Targets

Name	Description Dip. Dir.	TVD ft	+N/-S ft	+E/-W ft	Map Northing ft	Map Easting ft	← Latitude → Deg Min Sec		← Longitude → Deg Min Sec	
12-22-23-2 Target -Rectangle (400x400) -Plan hit target		7850.00	382.84	643.24	7102949.60	2223414.14	39	48	2.933	N 109 25 28.970 W

Casing Points

MD ft	TVD ft	Diameter in	Hole Size in	Name
2000.00	2000.00	9.625	12.250	9 5/8" Surface

Formations

MD ft	TVD ft	Formations	Lithology	Dip Angle deg	Dip Direction deg
380.00	380.00	Green River		0.00	0.00
2849.59	2830.00	Wasatch		0.00	0.00
4975.82	4870.00	Mesaverde		0.00	0.00

Annotation

MD ft	TVD ft	
2050.00	2050.00	SHL (1598 FSL & 1337 FWL)
2650.01	2640.19	KOP
4216.49	4130.00	End Build
4316.08	4224.71	Entry Point
5216.10	5110.00	Start Drop
7956.10	7850.00	End Drop
7956.10	7850.00	TD
7956.10	7850.00	PBHL (1980 FSL & 1980 FWL)

ENDURING RESOURCES, LLC.

LOCATION LAYOUT FOR

BUCK CAMP #12-22-23 -2 & #12-22-14 -2

SECTION 2, T12S, R22E, S.L.B.&M.

SW 1/4

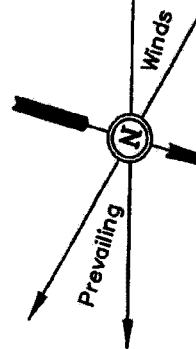
FIGURE #1

Proposed Access Road

F-0.4'

El. 613.4'

Sta. 3+70



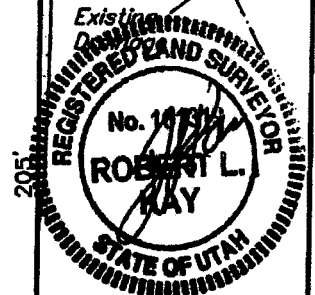
SCALE: 1" = 50'
DATE: 01-10-06
Drawn By: L.K.

Approx.
Top of
Cut Slope

Pit Topsoil

NOTE:

Flare Pit is to be located
a min. of 100' from the
Well Head.



Sta. 1+65

F-3.3'
El. 610.5'

Sta. 0+00

F-10.3'
El. 603.5'

Approx.
Toe of
Fill Slope

Reserve Pit Backfill
& Spoils Stockpile

El. 626.1'
C-24.3'
(btm. pit)

El. 624.8'
C-23.0'
(btm. pit)

FLARE PIT
20' WIDE BENCH
35'

15' WIDE BENCH

Total Pit Capacity
1 1/2' of Freeboard
= 14,950 Bbls ±
Total Pit Volume
= 4,030 Cu. Yds
RESERVE PITS
(12' Deep)
SLOPE = 1-1/2 : 1

Sta. 0+43

20' WIDE BENCH

C-8.9'
El. 622.7'

C-4.1'
El. 617.9'

C-1.5'
El. 615.3'

C-0.7'
El. 614.5'

C-5.0'
El. 618.8'

C-1.3'
El. 615.1'

C-0.9'
El. 614.7'

C-7.9'
El. 621.7'

C-8.9'
El. 622.7'

C-4.1'
El. 617.9'

C-1.5'
El. 615.3'

C-0.7'
El. 614.5'

C-5.0'
El. 618.8'

C-1.3'
El. 615.1'

C-0.9'
El. 614.7'

C-7.9'
El. 621.7'

C-8.9'
El. 622.7'

C-4.1'
El. 617.9'

C-1.5'
El. 615.3'

C-0.7'
El. 614.5'

CATWALK

PIPE RACKS

DOG HOUSE

RIG

WATER

PUMP

MUD SHED

HOPPER

POWER

TOOLS

FUEL

Existing Drainage

STORAGE TANK

TRAILER

TOILET

FUEL

TOILET

FUEL

TOILET

FUEL

TOILET

FUEL

TOILET

FUEL

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TOILET

FUEL

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FUEL

TOILET

NOTES:

Elev. Ungraded Ground At Loc. Stake = 5614.5'

FINISHED GRADE ELEV. AT LOC. STAKE = 5613.8'

UINTAH ENGINEERING & LAND SURVEYING

86 So. 200 East • Vernal, Utah 84078 • (435) 789-1017

ENDURING RESOURCES, LLC.

TYPICAL CROSS SECTIONS FOR

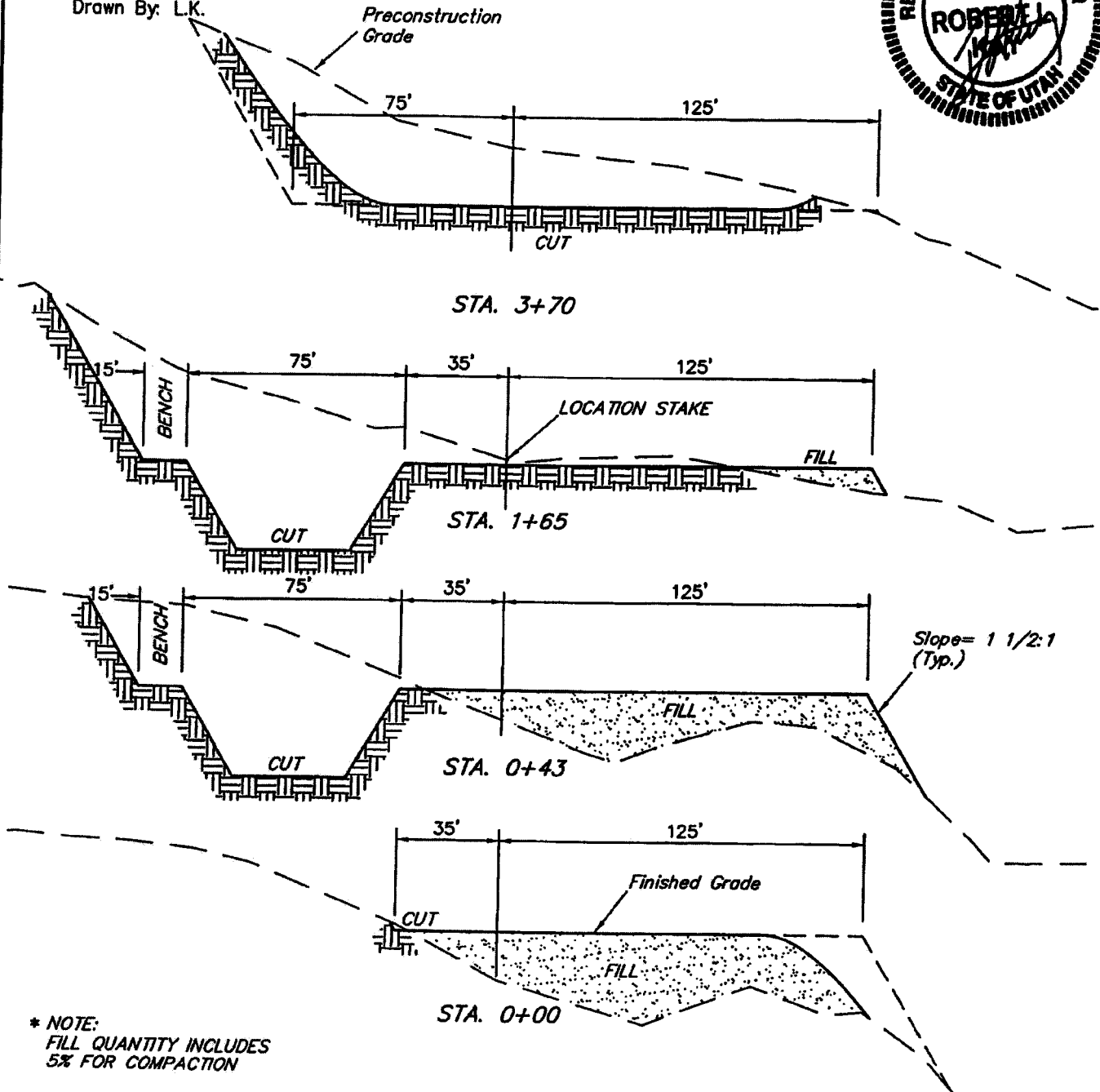
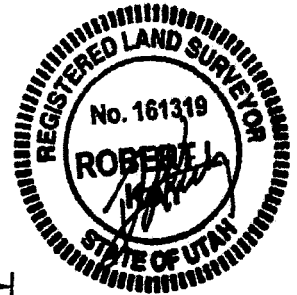
BUCK CAMP #12-22-23 -2 & #12-22-14 -2
SECTION 2, T12S, R22E, S.L.B.&M.
SW 1/4

FIGURE #2

1" = 20'
X-Section
Scale
1" = 50'

DATE: 01-10-06

Drawn By: L.K.



* NOTE:
FILL QUANTITY INCLUDES
5% FOR COMPACTION

APPROXIMATE YARDAGES

CUT	
(6") Topsoil Stripping	= 2,010 Cu. Yds.
Remaining Location	= 20,080 Cu. Yds.
TOTAL CUT	= 22,090 CU.YDS.
FILL	= 4,870 CU.YDS.

EXCESS MATERIAL	= 17,220 Cu. Yds.
Topsoil & Pit Backfill (1/2 Pit Vol.)	= 4,030 Cu. Yds.
EXCESS UNBALANCE (After Rehabilitation)	= 13,190 Cu. Yds.

UINTAH ENGINEERING & LAND SURVEYING
85 So. 200 East • Vernal, Utah 84078 • (435) 789-1017

ENDURING RESOURCES, LLC.
BUCK CAMP #12-22-23 -2 & #12-22-14 -2
LOCATED IN UINTAH COUNTY, UTAH
SECTION 2, T12S, R22E, S.L.B.&M.

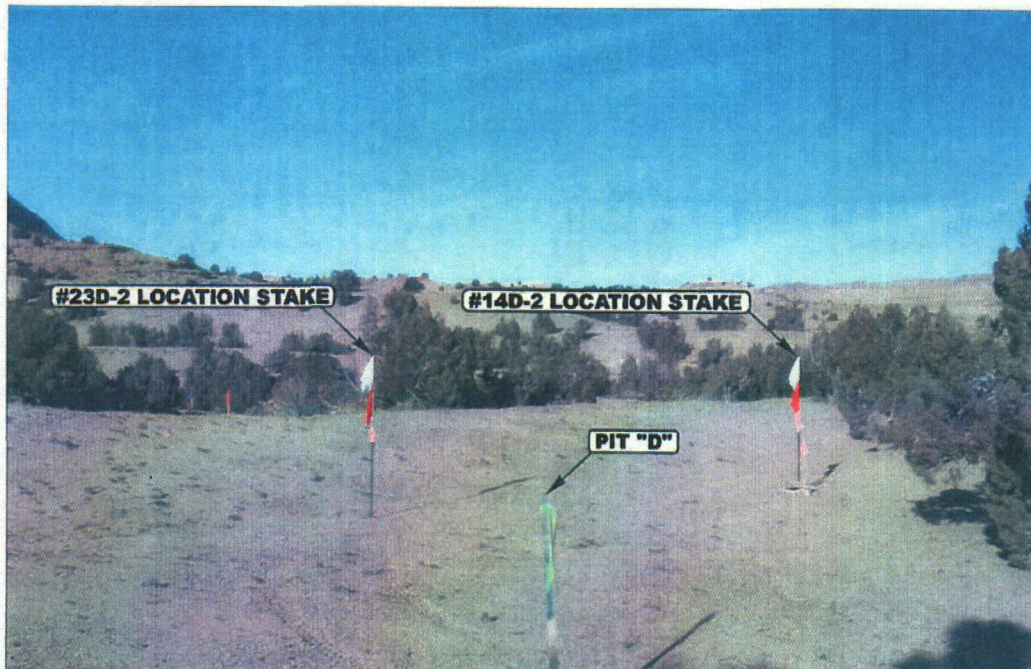


PHOTO: VIEW FROM PIT "D" TO LOCATION STAKE

CAMERA ANGLE: NORTHWESTERLY



PHOTO: VIEW FROM BEGINNING OF PROPOSED ACCESS

CAMERA ANGLE: SOUTHEASTERLY



- Since 1964 -

UEL

Uintah Engineering & Land Surveying

85 South 200 East Vernal, Utah 84078
435-789-1017 uels@uelsinc.com

LOCATION PHOTOS

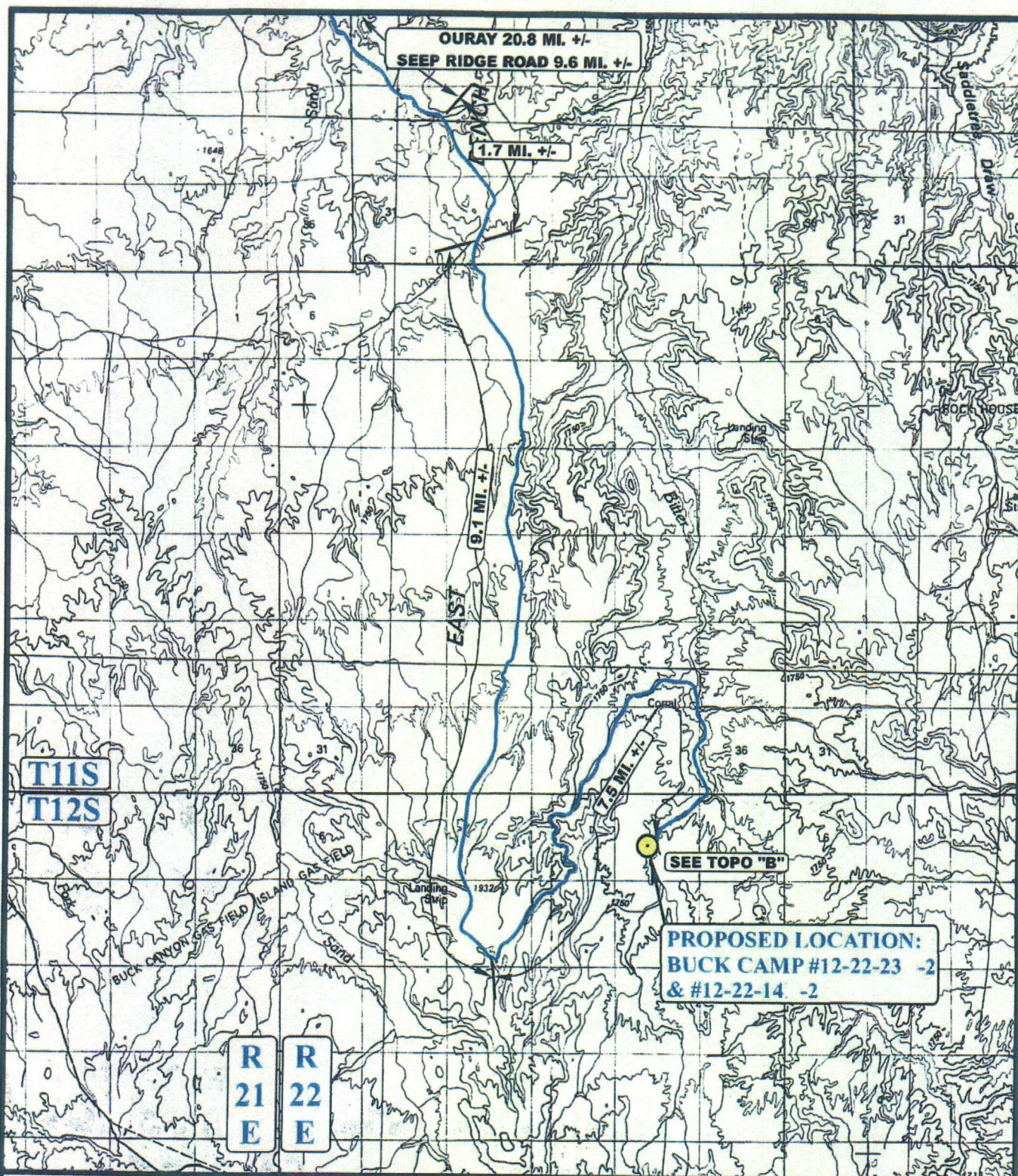
01 13 06
MONTH DAY YEAR

PHOTO

TAKEN BY: T.A.

DRAWN BY: C.H.

REVISED: 00-00-00



LEGEND:

● PROPOSED LOCATION

ENDURING RESOURCES, LLC.

BUCK CAMP #12-22-23 -2 & #12-22-14 -2
SECTION 2, T12S, R22E, S.L.B.&M.
SW 1/4



Utah Engineering & Land Surveying
85 South 200 East Vernal, Utah 84078
(435) 789-1017 * FAX (435) 789-1813



TOPOGRAPHIC
MAP

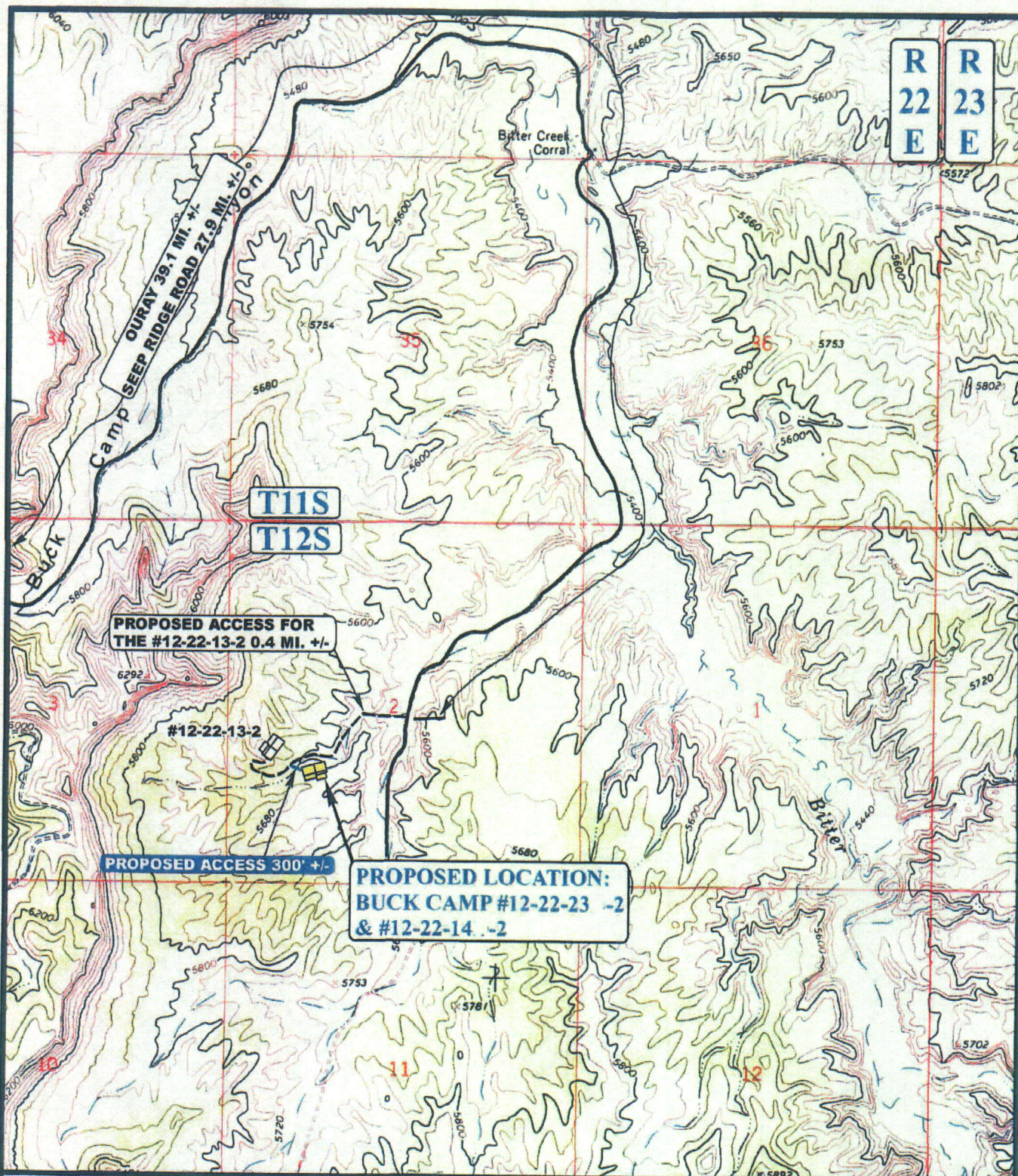
01 13 06
MONTH DAY YEAR

SCALE: 1:100,000 DRAWN BY: C.H. REVISED: 00-00-00



R
22
E

R
23
E



LEGEND:

————— EXISTING ROAD
- - - - - PROPOSED ROAD

ENDURING RESOURCES, LLC.

BUCK CAMP #12-22-23 -2 & #12-22-14 -2
SECTION 2, T12S, R22E, S.1.B.&M.
SW 1/4



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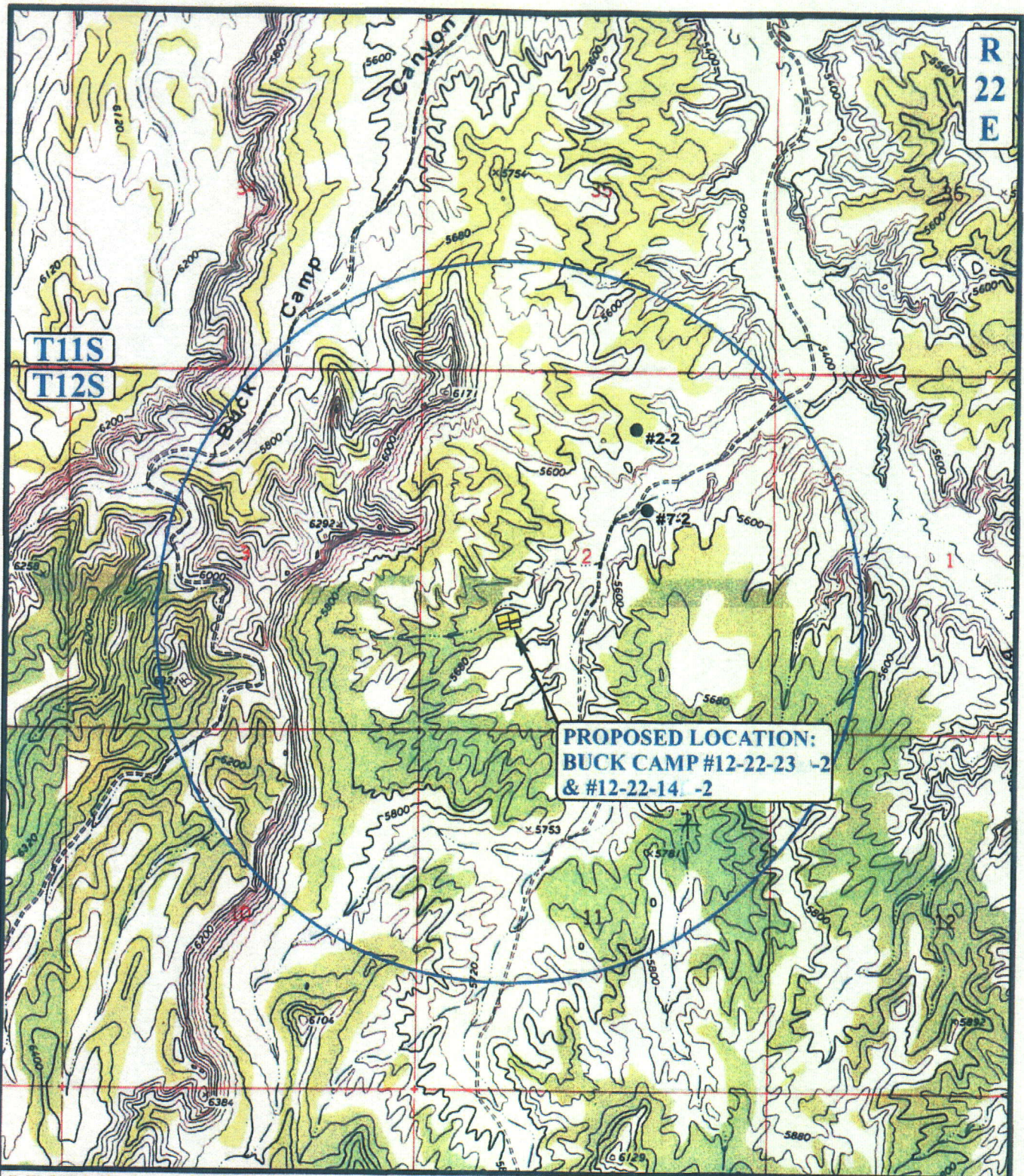


TOPOGRAPHIC
MAP

01 13 06
MONTH DAY YEAR

SCALE: 1" = 2000' DRAWN BY: C.H. REVISED: 00-00-00

B
TOPO



LEGEND:

- DISPOSAL WELLS
- PRODUCING WELLS
- SHUT IN WELLS
- WATER WELLS
- ABANDONED WELLS
- TEMPORARILY ABANDONED



ENDURING RESOURCES, LLC.

BUCK CAMP #12-22-23 -2 & #12-22-14 -2
SECTION 2, T12S, R22E, S.L.B.&M.
SW 1/4

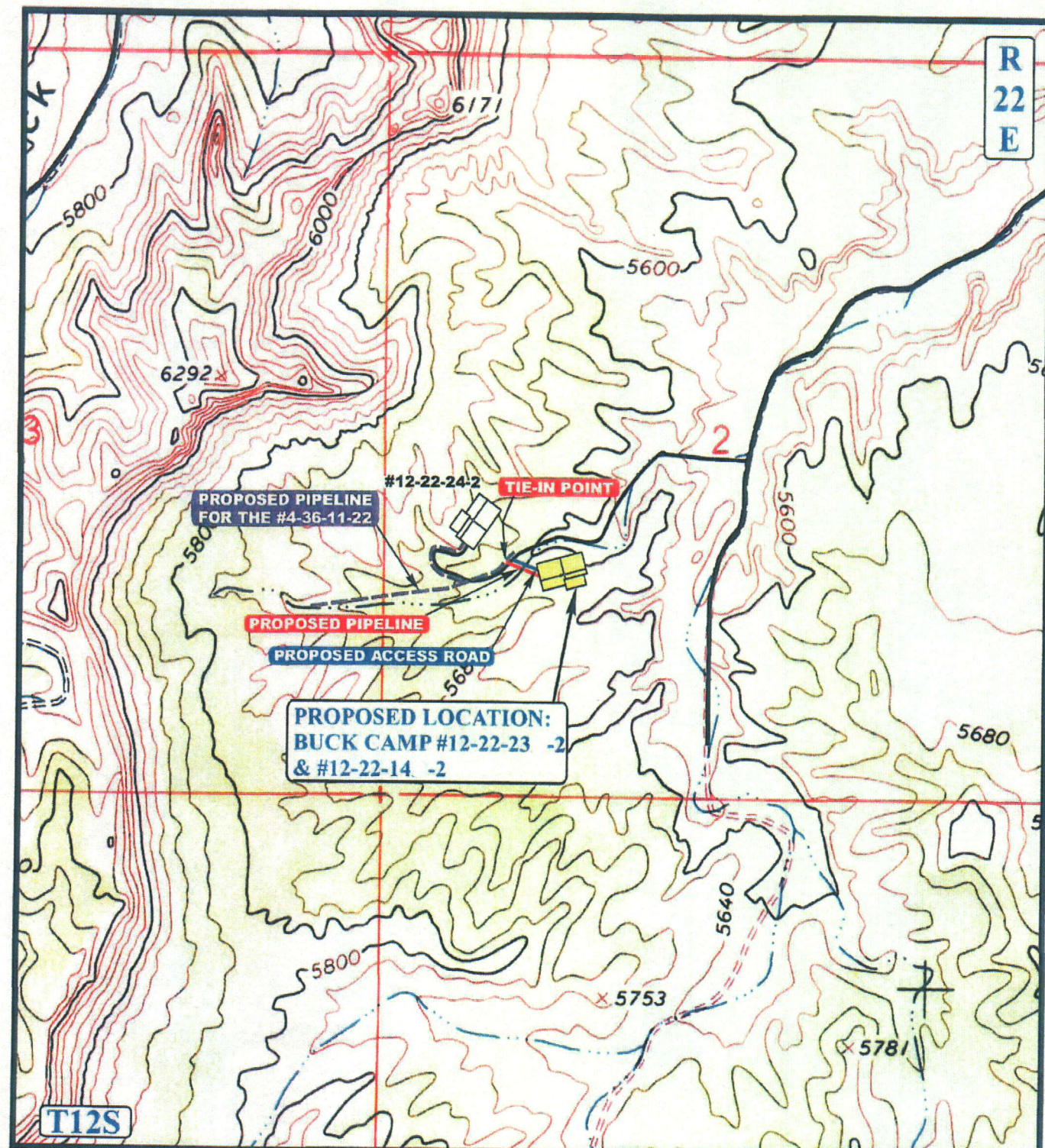


Uintah Engineering & Land Surveying
 85 South 200 East Vernal, Utah 84078
 (435) 789-1017 * FAX (435) 789-1813

TOPOGRAPHIC 01 13 06
MAP MONTH DAY YEAR

SCALE: 1" = 2000' DRAWN BY: C.H. REVISED: 00-00-00





APPROXIMATE TOTAL PIPELINE DISTANCE = 270' +/-

LEGEND:

- PROPOSED ACCESS ROAD
EXISTING PIPELINE
PROPOSED PIPELINE

ENDURING RESOURCES, LLC.

BUCK CAMP #12-22-23. -2 & #12-22-14 -2
SECTION 2, T12S, R22E, S.L.B.&M.
SW 1/4



Uintah Engineering & Land Surveying
85 South 200 East Vernal, Utah 84078
(435) 789-1017 * FAX (435) 789-1813

TOPOGRAPHIC
MAP

01	13	06
MONTH	DAY	YEAR

SCALE: 1" = 1000'	DRAWN BY: C.H.	REVISED: 00-00-00
-------------------	----------------	-------------------

D
TOPC

TOPIC

WORKSHEET
APPLICATION FOR PERMIT TO DRILL

APD RECEIVED: 08/21/2006

API NO. ASSIGNED: 43-047-38483

WELL NAME: BUCK CAMP 12-22-23-2

OPERATOR: ENDURING RESOURCES, LLC (N2750)

PHONE NUMBER: 303-350-5719

CONTACT: AL ARLIAN

PROPOSED LOCATION:

NESW 02 120S 220E

SURFACE: 1980 FSL 1980 FWL

BOTTOM: 1598 FSL 1337 FWL

COUNTY: UINTAH

LATITUDE: 39.80082 LONGITUDE: -109.4241

UTM SURF EASTINGS: 634918 NORTHINGS: 4406628

FIELD NAME: WILDCAT (1)

INSPECT LOCATN BY: / /

Tech Review	Initials	Date
Engineering	DRO	9/20/06
Geology		
Surface		

LEASE TYPE: 3 - State

LEASE NUMBER: ML-47087

PROPOSED FORMATION: MVRD

SURFACE OWNER: 3 - State

COALBED METHANE WELL? NO

RECEIVED AND/OR REVIEWED:

☒ Plat
☒ Bond: Fed[] Ind[] Sta[] Fee[]
(No. RLB0008031)
☒ Potash (Y/N)
☒ Oil Shale 190-5 (B) or 190-3 or 190-13
☒ Water Permit
(No. 49-2215)
☒ RDCC Review (Y/N)
(Date: 09/06/2006)
☒ Fee Surf Agreement (Y/N)
☒ Intent to Commingle (Y/N)

LOCATION AND SITING:

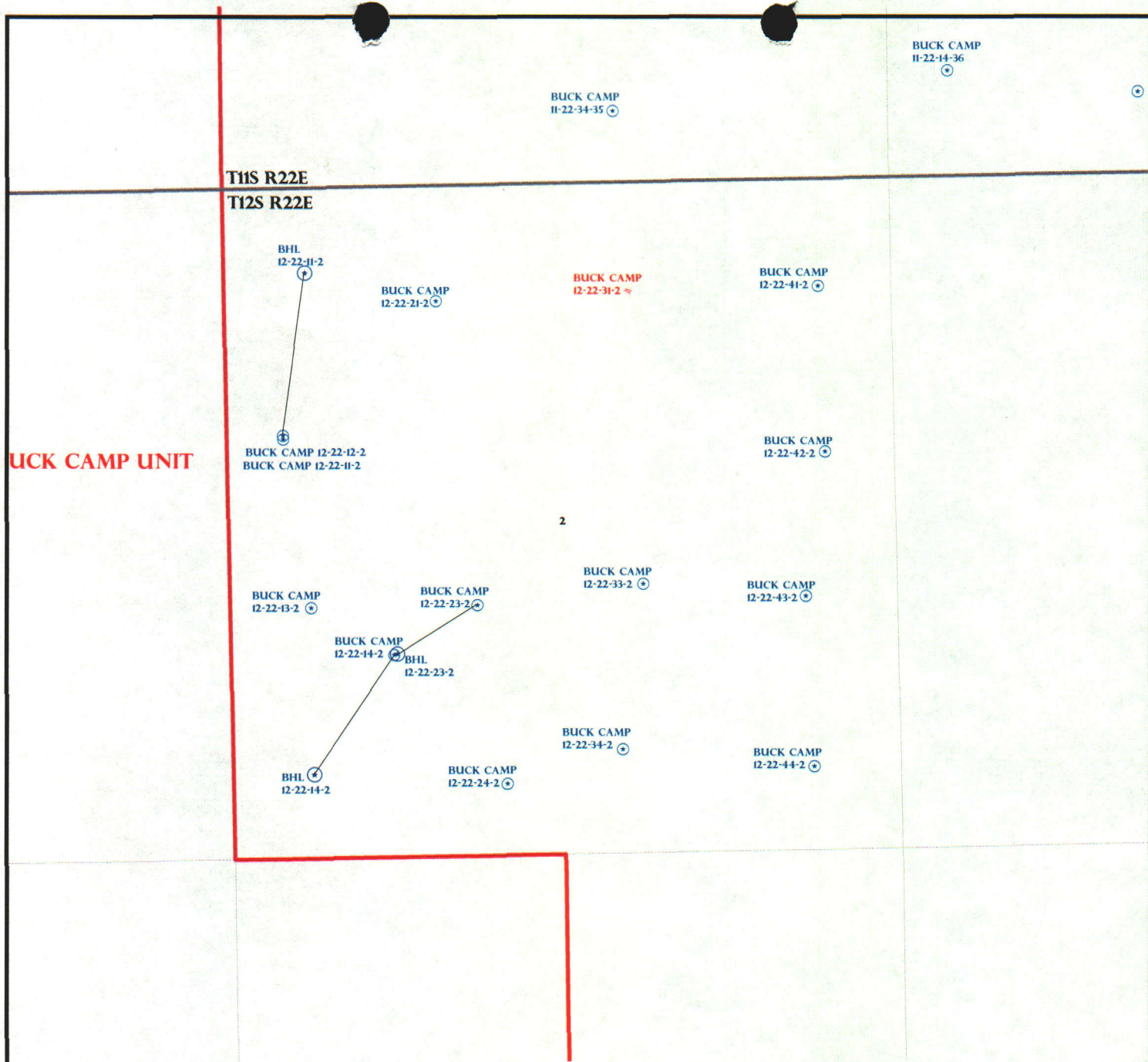
 R649-2-3.
Unit: _____
 R649-3-2. General
Siting: 460 From Qtr/Qtr & 920' Between Wells
 R649-3-3. Exception
 Drilling Unit
Board Cause No: _____
Eff Date: _____
Siting: _____
☒ R649-3-11. Directional Drill

COMMENTS:

Needs Permit (05-04-06)

STIPULATIONS:

1- Spacing Strip
2- STATEMENT OF BASIS
3- Surface Csg Cmt Strip



OPERATOR: ENDURING RES LLC (N2750)

SEC: 2 T.12S R. 22E

FIELD: WILDCAT (001)

COUNTY: UTAH

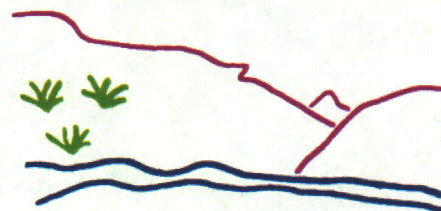
SPACING: R649-3-11 / DIRECTIONAL DRILLING

Field Status
 ABANDONED
 ACTIVE
 COMBINED
 INACTIVE
 PROPOSED
 STORAGE
 TERMINATED

Unit Status
 EXPLORATORY
 GAS STORAGE
 NF PP OIL
 NF SECONDARY
 PENDING
 PI OIL
 PP GAS
 PP GEOTHERML
 PP OIL
 SECONDARY
 TERMINATED

Wells Status

GAS INJECTION
 GAS STORAGE
 LOCATION ABANDONED
 NEW LOCATION
 PLUGGED & ABANDONED
 PRODUCING GAS
 PRODUCING OIL
 SHUT-IN GAS
 SHUT-IN OIL
 TEMP. ABANDONED
 TEST WELL
 WATER INJECTION
 WATER SUPPLY
 WATER DISPOSAL
 DRILLING



Utah Oil Gas and Mining



PREPARED BY: DIANA WHITNEY
 DATE: 22-AUGUST-2006

DIVISION OF OIL, GAS AND MINING
APPLICATION FOR PERMIT TO DRILL
STATEMENT OF BASIS

OPERATOR: ENDURING RESOURCES, LLC
WELL NAME & NUMBER: Buck Camp 12-22-23D-2 (Note: Two directional wells are planned for this location. The other well is the Buck Camp 12-22-14D-2.)
API NUMBER: 43-047-38483
LOCATION: 1/4, 1/4 NE/SW Sec: 2 TWP: 12S RNG: 22E 1337' FWL 1598' FSL

Geology/Ground Water:

Enduring proposes to set 2,016 feet of surface casing cemented to the surface. The base of the moderately saline water is estimated at 3,500 feet. A search of Division of Water Rights records shows 2 water wells within a 10,000 foot radius of the center of Section 2. The wells are over 1 mile from the proposed location. One well is owned by the BLM and no depth is listed. The other well is owned by SITLA with a depth listed at 900 feet. Use is listed as oilfield drilling. The surface formation at this location is the Uinta/Green River Formation transition. The Uinta Formation is made up of discontinuous sands interbedded with shales and are not expected to produce prolific aquifers. The Green River Formation is made up of interbedded limestones, shales and sandstones. Fresh water aquifers can be found in the Green River Formation and should be protected. The proposed surface casing should adequately protect any potentially useable aquifers. Production casing cement should be brought up above the base of the moderately saline ground water to isolate it from fresher waters up hole.

Reviewer: Brad Hill **Date:** 08-24-06

Surface:

The pre-drill investigation of the surface was performed on 04/05/2006. The State of Utah (SITLA) owns both the surface and the minerals of this location. Mr. Ed Bonner and Jim Davis of SITLA and Ben Williams of the Utah Division of Wildlife Resources were invited to the pre-site. Mr. Davis and Mr. Williams both attended. Two directional wells are planned at this location. The other well is the Buck Camp 12-22-14D-2. Approximately 300 feet of new access road will be constructed to reach the location leading off an access road, which is planned for other wells in the area. The proposed location lies on gentle northeast sloping terrain, which is surrounded by broken terrain. This location was selected for its ease of construction. One small draws sloping to the east will be filled by the construction. West of the location is the high Bitter Creek Canyon slopes topped by ledges which on top extend to the East Bench area. Ben Williams representing the UDWR stated the area is classified as high value winter habitat for deer and substantial value winter elk habitat. He explained how the areas are classified and recommended to Mr. Hammond and Mr. Davis that activity be limited from Nov. 15 thru March 15 to protect wintering values for deer. This activity would include road and pad construction, drilling and work-over rigs. He furnished a copy of his recommendations to SITLA and Mr. Hammond along with a recommended seed mix to be used to re-vegetate the area.

Reviewer: Floyd Bartlett **Date:** 042/07/2006

Conditions of Approval/Application for Permit to Drill:

1. A synthetic liner with a minimum thickness of 16 mils with a felt subliner shall be properly installed and maintained in the reserve pit.

ON-SITE PREDRILL EVALUATION
Division of Oil, Gas and Mining

OPERATOR: ENDURING RESOURCES, LLC

WELL NAME & NUMBER: Buck Camp 12-22-23D-2 (Note: Two directional wells are planned for this location. The other well is the Buck Camp 12-22-14D-2.)

API NUMBER: 43-047-38483

LEASE: ML-47087 **FIELD/UNIT:** Undesignated

LOCATION: 1/4, 1/4 NE/SW Sec: 2 TWP: 12S RNG: 22E 1337' FWL 1598' FSL

LEGAL WELL SITING: 460 F SEC. LINE; 460 F 1/4, 1/4 LINE; 920 F ANOTHER WELL.

GPS COORD (UTM): 634447 E 4407036 N **SURFACE OWNER:** State of Utah-SITLA

PARTICIPANTS

Floyd Bartlett (DOGM), Douglas Hammond (Enduring Resources), Larry Rowell and Mike Stewart (Ponderosa Construction), Brandon Bowthorpe and Matt Cook (Uintah Engineering and Land Surveying), Jim Davis (SITLA), Ben Williams (Utah Division of Wildlife Resources,

REGIONAL/LOCAL SETTING & TOPOGRAPHY

The proposed Buck Camp 12-22-23D-2 well lies on gentle northeast sloping terrain which is surrounded by broken terrain. This location was selected for its ease of construction. One small draws sloping to the east will be filled by the construction. West of the location is the high Bitter Creek Canyon slopes topped by ledges which on top extend to the East Bench area.

The bottom of a fork of Bitter Creek is approximately 1/2 mile to the west of the proposed location. This portion of Bitter Creek is an ephemeral drainage only flowing during spring runoff and intense summer rainstorms. The White River is approximately 10 miles downstream to the north.

The location is approximately 22 miles south west of Bonanza Ut, and approximately 70 miles southwest of Vernal, UT. Access from Ouray, UT is by State Highway then Uintah County roads 38 miles to the Biter Creek Corrals. Then following a oil field development road south about 1 mile up the bottom of Bitter Creek, then extending to the southwest up a fork of Bitter Creek about 1/2 mile. From this point a new road will be constructed to the west, which will serve as access to near the two wells planned on this location and then extend to the proposed BC 12-22-13-2 well. From that road 300 feet of access will be constructed to this location.

Topography in the general area is broad canyon bottoms separated by steep and often ledgey side-slopes, which top out onto broad ridge tops. Frequent outwash plains and deposits occur along the sides of the major bottoms. Bitter Creek is a broad somewhat gentle alluvial wash, which is dry except for spring runoff and sometimes-intense summer rainstorms.

SURFACE USE PLAN

CURRENT SURFACE USE: wildlife and domestic sheep grazing and hunting.

PROPOSED SURFACE DISTURBANCE: Approximately 300 feet of new access road and construction of a well location 370'x 200' plus a reserve pit and soil stockpile storage outside the described area.

LOCATION OF EXISTING WELLS WITHIN A 1 MILE RADIUS: Several wells are planned or are being drilled within this radius. See attached map from GIS database.

LOCATION OF PRODUCTION FACILITIES AND PIPELINES: All production facilities will be on location and added after drilling well. Approximately 270 feet of pipeline will be laid overland along the side of the access road to a tie in point.

SOURCE OF CONSTRUCTION MATERIAL: All construction material will be borrowed from site during construction of location.

ANCILLARY FACILITIES: None will be required.

WILL DRILLING AT THIS LOCATION GENERATE PUBLIC INTEREST OR CONCERNS? EXPLAIN: Unlikely. Oilfield activity is common in the area.

WASTE MANAGEMENT PLAN:

Drilled cuttings will be settled into reserve pit. Liquids from pit will be allowed to evaporate. Formation water will be confined to storage tanks. Commercial contractor will handle sewage facilities, storage and disposal. Trash will be contained in trash baskets and hauled to an approved land fill.

ENVIRONMENTAL PARAMETERS

AFFECTED FLOODPLAINS AND/OR WETLANDS: None.

FLORA/FAUNA: Poorly vegetated pinion-juniper site with some heavily grazed bud sage, mahogany and squaw bush. Pronghorn, rodents, songbirds, raptors, elk, deer, bobcat, coyote, heavy winter sheep grazing..

SOIL TYPE AND CHARACTERISTICS: Barren shallow shaley loam.

EROSION/SEDIMENTATION/STABILITY: Light natural erosion is occurring on the site. One small shallow drainage begins near the center of the location running to the north. It will be covered with fill. No stability problems are anticipated with the construction and operation of the location.

PALEONTOLOGICAL POTENTIAL: None observed.

RESERVE PIT

CHARACTERISTICS: 175' by 75' and 12' deep. The reserve pit is planned

in an area of cut on the south east corner of the location. No stabilization problems are expected.

LINER REQUIREMENTS (Site Ranking Form attached): A liner will be required for reserve pit. Sensitivity score is 40 and a rating Level II.

SURFACE RESTORATION/RECLAMATION PLAN

As per landowner agreement with SITLA.

SURFACE AGREEMENT: SITLA

CULTURAL RESOURCES/ARCHAEOLOGY: A survey will be completed and forwarded to SITLA.

OTHER OBSERVATIONS/COMMENTS

Two directional wells are planned at this location. The other well is the Buck Camp 12-22-14D-2.

Ben Williams representing the UDWR stated the area is classified as high value winter habitat for deer and substantial value winter elk habitat. He explained how the areas are classified and recommended to Mr. Hammond they limit their activity from Nov. 15 thru March 15 to protect wintering values for deer. This activity would include road and pad construction, drilling and work-over rigs.

Jim Davis of SITLA had no concerns regarding the access to and the drilling of wells at this location.

This pre-drill investigation was conducted on a cold very windy day. Four wheeled ATV's were used to access the site.

ATTACHMENTS

Photos of site have been taken and placed on file.

Floyd Bartlett
DOGM REPRESENTATIVE

04/05/2005 12:45 PM
DATE/TIME

**Evaluation Ranking Criteria and Ranking Score
For Reserve and Onsite Pit Liner Requirements**

<u>Site-Specific Factors</u>	<u>Ranking</u>	<u>Site Ranking</u>
Distance to Groundwater (feet)		
>200	0	
100 to 200	5	
75 to 100	10	
25 to 75	15	
<25 or recharge area	20	
Distance to Surf. Water (feet)		
>1000	0	
300 to 1000	2	
200 to 300	10	
100 to 200	15	
< 100	20	<u>0</u>
Distance to Nearest Municipal Well (feet)		
>5280	0	
1320 to 5280	5	
500 to 1320	10	
<500	20	<u>0</u>
Distance to Other Wells (feet)		
>1320	0	
300 to 1320	10	
<300	20	<u>20</u>
Native Soil Type		
Low permeability	0	
Mod. permeability	10	
High permeability	20	<u>10</u>
Fluid Type		
Air/mist	0	
Fresh Water	5	
TDS >5000 and <10000	10	
TDS >10000 or Oil Base Mud Fluid	15	
containing significant levels of hazardous constituents	20	<u>5</u>
Drill Cuttings		
Normal Rock	0	
Salt or detrimental	10	<u>0</u>
Annual Precipitation (inches)		
<10	0	
10 to 20	5	
>20	10	<u>5</u>
Affected Populations		
<10	0	
10 to 30	6	
30 to 50	8	
>50	10	<u>0</u>
Presence of Nearby Utility Conduits		
Not Present	0	
Unknown	10	
Present	15	<u>0</u>

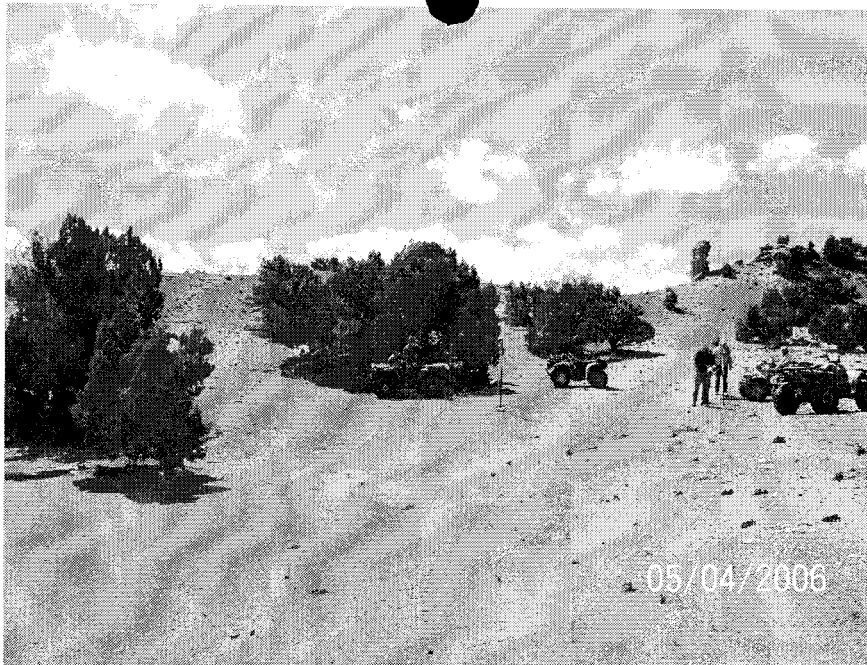
Final Score 40 (Level II Sensitivity)

Sensitivity Level I = 20 or more; total containment is required.

Sensitivity Level II = 15-19; lining is discretionary.

Sensitivity Level III = below 15; no specific lining is required.



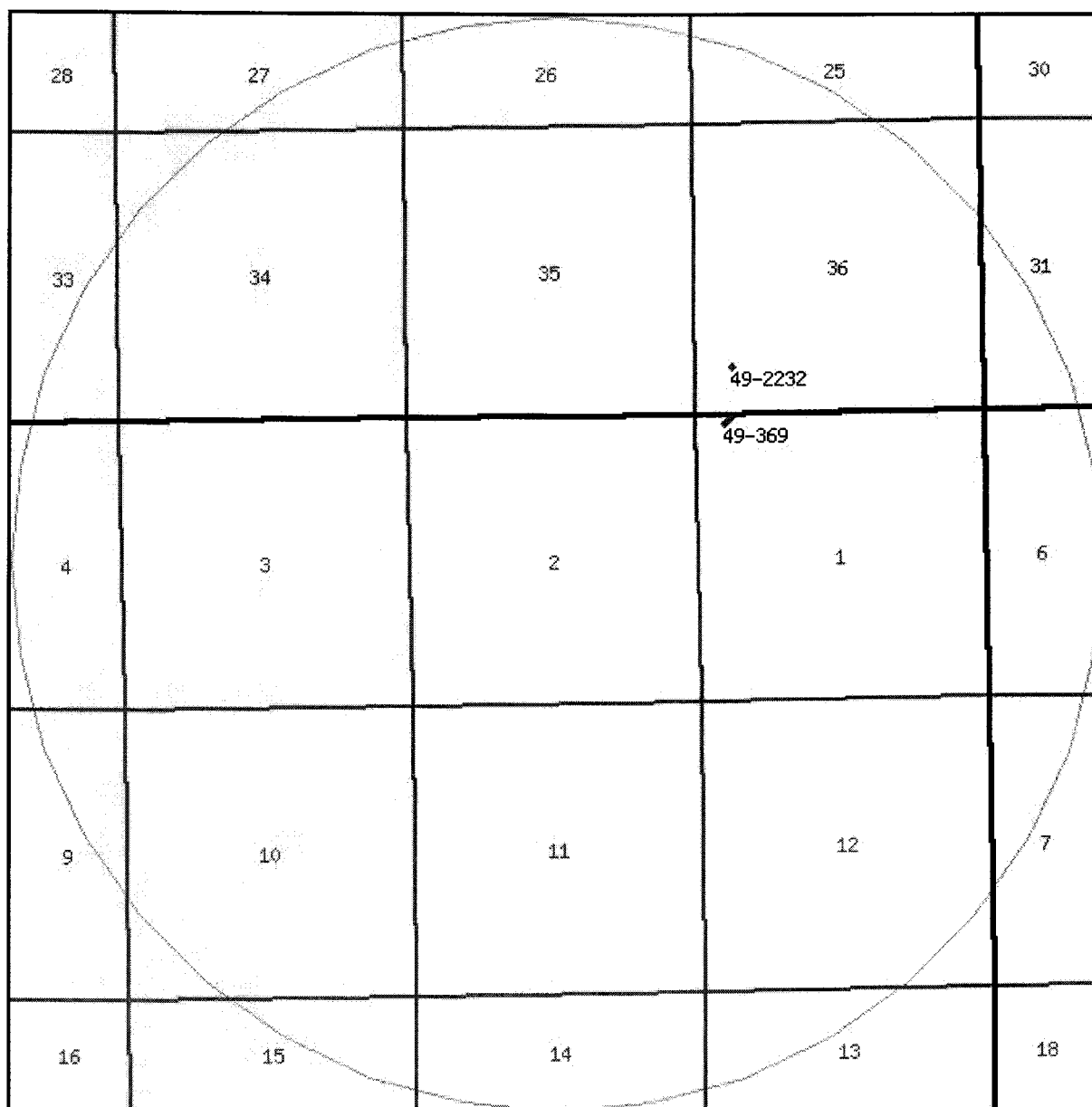




WRPLAT Program Output Listing

Version: 2004.12.30.00 Rundate: 08/24/2006 02:35 PM

Radius search of 10000 feet from a point N2640 E2640 from the SW corner, section 02, Township 12S, Range 22E, SL b&m Criteria:wrtypes=W,C,E podtypes=U,R status=U,A,P usetypes=all




0 1300 2600 3900 5200 ft

Water Rights

WR Number	Diversion Type/Location	Well Log	Status	Priority	Uses	CFS	ACFT	Owner N
<u>49-1620</u>	Underground S112 E617 NW 01 12S 22E SL		A	19981023	O	0.000	22.000	ROSEWOOD RESOUF C/O IVAN SADLIER
<u>49-2232</u>	Underground N851 E675 SW 36 11S 22E SL		A	20060616	O	0.000	30.000	STATE OF UTAH SCH INSTITUTIONAL TRU 675 EAST 500 SOUTH
<u>49-351</u>	Underground S95 E625 NW 01 12S 22E SL		A	19780503	S	0.022	0.000	UTAH SCHOOL AND TRUST LANDS ADMI 675 EAST 500 SOUTH
<u>49-369</u>	Underground S190 E540 NW 01 12S 22E SL		A	19800627	S	0.100	0.000	VERNAL DISTRICT U LAND MANAGEMEN 170 SOUTH 500 EAST

[Natural Resources](#) | [Contact](#) | [Disclaimer](#) | [Privacy Policy](#) | [Accessibility Policy](#)

STATE ACTIONS
Resource Development Coordinating Committee
Governor's Office of Planning and Budget
5110 State Office Building
SLC, UT 84114
Phone No. 537-9230

1. State Agency Oil, Gas and Mining 1594 West North Temple, Suite 1210 Salt Lake City, UT 84114-5801	2. Approximate date project will start: Upon Approval or September 5, 2006
3. Title of proposed action: Application for Permit to Drill	
4. Description of Project: Enduring Resources, LLC proposes to drill the Buck Camp 12-22-23-2 well (wildcat) on a State lease ML-47087, Uintah County, Utah. This action is being presented to the RDCC for consideration of resource issues affecting state interests. The Division of Oil, Gas and Mining is the primary administrative agency in this action and must issue approval before operations commence.	
5. Location and detailed map of land affected (site location map required, electronic GIS map preferred) (include UTM coordinates where possible) (indicate county) 1980' FSL 1980' FWL, NE/4 SW/4, Section 2, Township 12 South, Range 22 East, Uintah County, Utah	
6. Possible significant impacts likely to occur: Surface impacts include up to five acres of surface disturbance during the drilling and completion phase (estimated for five weeks duration). If oil and gas in commercial quantities is discovered, the location will be reclaimed back to a net disturbance of between one and two acres – not including road, pipeline, or utility infrastructure. If no oil or gas is discovered, the location will be completely reclaimed.	
7. Identify local government affected a. Has the government been contacted? No. b. When? c. What was the response? d. If no response, how is the local government(s) likely to be impacted?	
8. For acquisitions of land or interests in land by DWR or State Parks please identify state representative and state senator for the project area. Name and phone number of state representative, state senator near project site, if applicable: a. Has the representative and senator been contacted? N/A	
9. Areawide clearinghouse(s) receiving state action: (to be sent out by agency in block 1) Uintah Basin Association of Governments	
10. For further information, contact: Diana Whitney Phone: (801) 538-5312	11. Signature and title of authorized officer  Gil Hunt, Associate Director Date: August 22, 2006

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

FORM 3

AMENDED REPORT ☐
(highlight changes)

APPLICATION FOR PERMIT TO DRILL				5. MINERAL LEASE NO: ML-47087	6. SURFACE: State
1A. TYPE OF WORK: DRILL <input checked="" type="checkbox"/> REENTER <input type="checkbox"/> DEEPEN <input type="checkbox"/>				7. IF INDIAN, ALLOTTEE OR TRIBE NAME:	
B. TYPE OF WELL: OIL <input type="checkbox"/> GAS <input checked="" type="checkbox"/> OTHER _____ SINGLE ZONE <input type="checkbox"/> MULTIPLE ZONE <input checked="" type="checkbox"/>				8. UNIT or CA AGREEMENT NAME:	
2. NAME OF OPERATOR: Enduring Resources, LLC				9. WELL NAME and NUMBER: Buck Cmap 12-22-23-2	
3. ADDRESS OF OPERATOR: 475 17th St., Ste 1500 CITY Denver STATE CO ZIP 80220			PHONE NUMBER: (303) 350-5719		
4. LOCATION OF WELL (FOOTAGES) 634918X 4406628Y 39.800817 -109.424067				10. FIELD AND POOL, OR WILDCAT: Undesignated Wildcat	
AT SURFACE: 1980' FSL - 1980' FWL				11. QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: NESW 2 12S 22E	
AT PROPOSED PRODUCING ZONE: 1598' FSL - 1337' FWL NESW 634724X 4406589Y 39.799769 -109.426353					
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE: 70.55 Southeast of Vernal, UT				12. COUNTY: Uintah	13. STATE: UTAH
15. DISTANCE TO NEAREST PROPERTY OR LEASE LINE (FEET) 1337'		16. NUMBER OF ACRES IN LEASE: 640		17. NUMBER OF ACRES ASSIGNED TO THIS WELL: 40 acres	
18. DISTANCE TO NEAREST WELL (DRILLING, COMPLETED, OR APPLIED FOR) ON THIS LEASE (FEET) 1000' +		19. PROPOSED DEPTH: 7,850		20. BOND DESCRIPTION: RLB0008031	
21. ELEVATIONS (SHOW WHETHER DF, RT, GR, ETC.): 5630' RT-KB		22. APPROXIMATE DATE WORK WILL START: 11/1/2006		23. ESTIMATED DURATION: 20 days	

24. PROPOSED CASING AND CEMENTING PROGRAM							
SIZE OF HOLE	CASING SIZE, GRADE, AND WEIGHT PER FOOT			SETTING DEPTH	CEMENT TYPE, QUANTITY, YIELD, AND SLURRY WEIGHT		
20"	14"	line pipe		40	3 yards	Ready Mix	
11"	8-5/8"	J-55	24#	2,016	Premium Lead	138 sxs	3.50 11.1
					Premium Tail	138 sxs	1.15 15.8
7-7/8"	4-1/2"	N-80	11.6#	7,850	Class G	64 sxs	3.3 11.0
					50/50 Poz Class G	1009 sxs	1.56 14.3

25. ATTACHMENTS

VERIFY THE FOLLOWING ARE ATTACHED IN ACCORDANCE WITH THE UTAH OIL AND GAS CONSERVATION GENERAL RULES:

<input checked="" type="checkbox"/> WELL PLAT OR MAP PREPARED BY LICENSED SURVEYOR OR ENGINEER <input checked="" type="checkbox"/> EVIDENCE OF DIVISION OF WATER RIGHTS APPROVAL FOR USE OF WATER	<input checked="" type="checkbox"/> COMPLETE DRILLING PLAN <input type="checkbox"/> FORM 5, IF OPERATOR IS PERSON OR COMPANY OTHER THAN THE LEASE OWNER
--	--

NAME (PLEASE PRINT) Eyette Bissett TITLE Regulatory Compliance Assistant

SIGNATURE *Eyette Bissett* DATE 8/17/2006

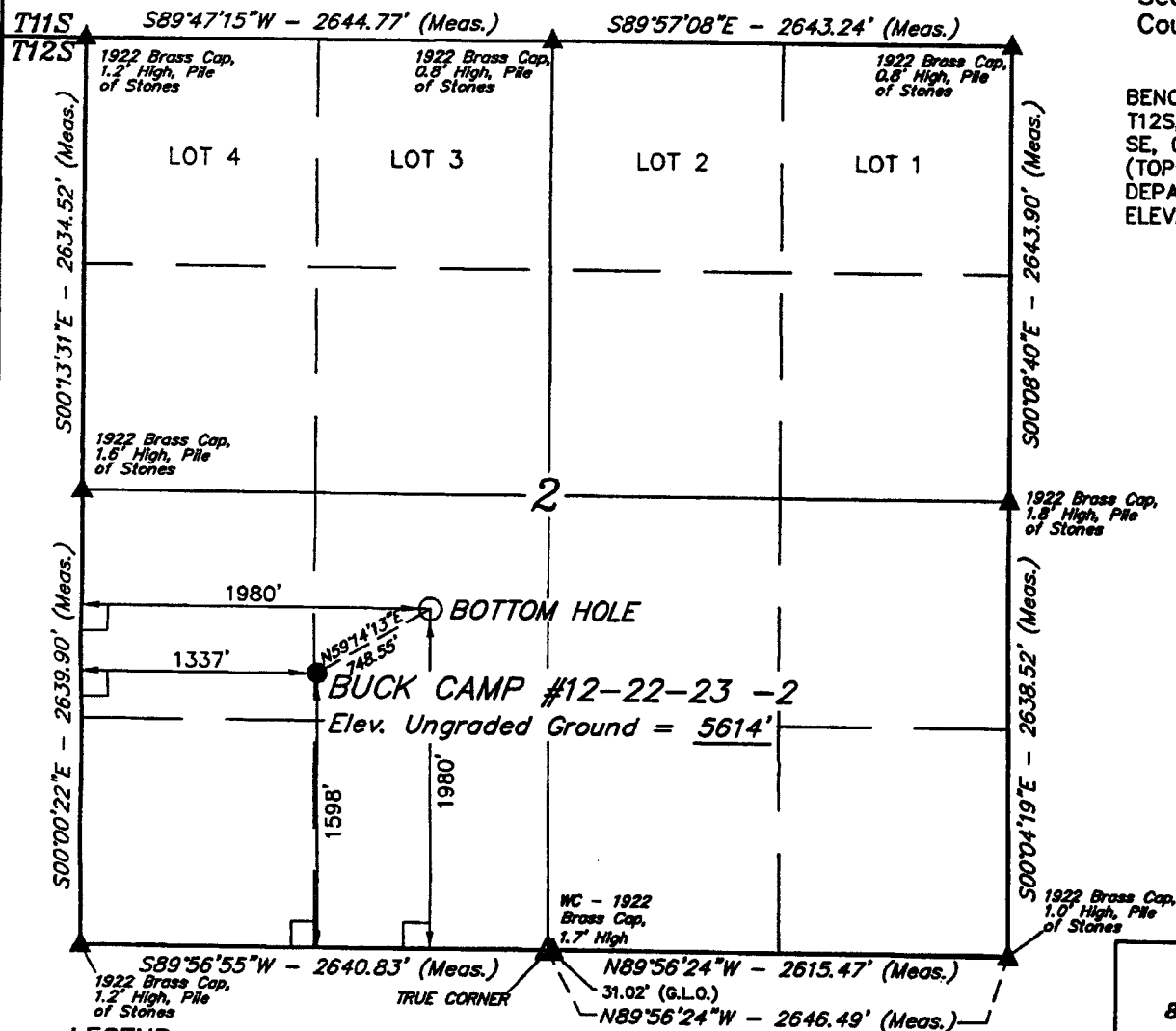
(This space for State use only)

API NUMBER ASSIGNED: 43-047-38483

APPROVAL:

RECEIVED
AUG 21 2006
DIV. OF OIL, GAS & MINING

T12S, R22E, S.L.B.&M.



ENDURING RESOURCES, LLC.

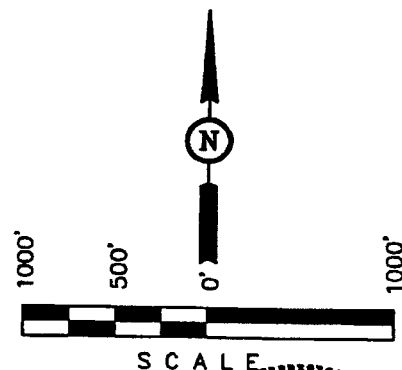
Well location, BUCK CAMP #12-22-23 -2, located as shown in the NE 1/4 SW 1/4 of Section 2, T12S, R22E, S.L.B.&M. Uintah County, Utah.

BASIS OF ELEVATION

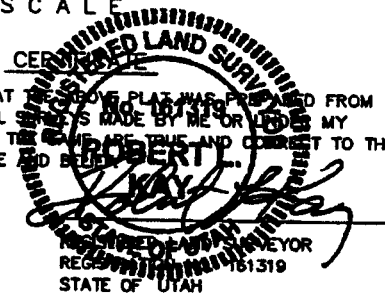
BENCH MARK 87 EAM LOCATED IN THE SW 1/4 OF SECTION 1, T12S, R23E, S.L.B.&M. TAKEN FROM THE ARCHY BENCH SE, QUADRANGLE, UTAH, UTAH COUNTY, 7.5 MINUTE SERIES (TOPOGRAPHICAL MAP) PUBLISHED BY THE UNITED STATES DEPARTMENT OF THE INTERIOR, GEOLOGICAL SURVEY. SAID ELEVATION IS MARKED AS BEING 5887 FEET.

BASIS OF BEARINGS

BASIS OF BEARINGS IS A G.P.S. OBSERVATION.



THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM FIELD NOTES OF ACTUAL SURVEY MADE BY ME OR UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.



LEGEND:

- └─┘ = 90° SYMBOL
- = PROPOSED WELL HEAD.
- ▲ = SECTION CORNERS LOCATED.
- △ = TRUE CORNER

(AUTONOMOUS NAD 83)
 LATITUDE = 39°47'59.15" (39.799764)
 LONGITUDE = 109°25'37.22" (109.427006)
 (AUTONOMOUS NAD 27)
 LATITUDE = 39°47'59.27" (39.799797)
 LONGITUDE = 109°25'34.78" (109.426328)

UINTAH ENGINEERING & LAND SURVEYING
 85 SOUTH 200 EAST - VERNAL, UTAH 84078
 (435) 789-1017

SCALE 1" = 1000'	DATE SURVEYED: 01-09-06	DATE DRAWN: 01-10-06
PARTY T.A. J.H. L.K.	REFERENCES G.L.O. PLAT	
WEATHER COLD	FILE ENDURING RESOURCES, LLC.	

From: Robert Clark
To: Whitney, Diana
Date: 8/28/2006 2:49:59 PM
Subject: RDCC short turn around responses

Enduring
43-047-3848

The following comments are provided in response to short turn around items **RDCC #6950** through **RDCC #6952**, and **RDCC #6988** through **RDCC #6990**.

RDCC #6950, Comments begin: The Houston Exploration Company's proposal to drill the **Squaw Ridge 14-16-7-25** wildcat well, in Uintah County, may require a permit, known as an Approval Order, from the Executive Secretary of the Air Quality Board. If any compressor or pump stations are constructed at the site, a permit application, known as a Notice of Intent (NOI), should be submitted to the Executive Secretary at the Utah Division of Air Quality at 150 N. 1950 West, Salt Lake City, Utah, 84116 for review according to the Utah Air Quality Rule R307-401. Permit: Notice of Intent and Approval Order. A copy of the rules is found at www.rules.utah.gov/publicat/code/r307/r307.htm. The proposed project, in Uintah County, is also subject to Utah Air Quality Rule R307-205-5, Fugitive Dust, due to the fugitive dust that is generated during the excavating phases of the project. These rules apply to construction activities that disturb an area greater than 1/4 acre in size. A permit, known as an Approval Order, is not required from the Executive Secretary of the Air Quality Board, but steps need to be taken to minimize fugitive dust, such as watering and/or chemical stabilization, providing vegetative or synthetic cover or windbreaks. A copy of the rules may be found at www.rules.utah.gov/publicat/code/r307/r307.htm. **Comments end.**

RDCC #6951, Comments begin: The Enduring Resources, LLC proposal to drill the **Southam Canyon 10-25-44-32** wildcat well, in Uintah County, may require a permit, known as an Approval Order, from the Executive Secretary of the Air Quality Board. If any compressor or pump stations are constructed at the site, a permit application, known as a Notice of Intent (NOI), should be submitted to the Executive Secretary at the Utah Division of Air Quality at 150 N. 1950 West, Salt Lake City, Utah, 84116 for review according to the Utah Air Quality Rule R307-401. Permit: Notice of Intent and Approval Order. A copy of the rules is found at www.rules.utah.gov/publicat/code/r307/r307.htm. The proposed project, in Uintah County, is also subject to Utah Air Quality Rule R307-205-5, Fugitive Dust, due to the fugitive dust that is generated during the excavating phases of the project. These rules apply to construction activities that disturb an area greater than 1/4 acre in size. A permit, known as an Approval Order, is not required from the Executive Secretary of the Air Quality Board, but steps need to be taken to minimize fugitive dust, such as watering and/or chemical stabilization, providing vegetative or synthetic cover or windbreaks. A copy of the rules may be found at www.rules.utah.gov/publicat/code/r307/r307.htm. **Comments end.**

RDCC #6952, Comments begin: The Enduring Resources, LLC proposal to drill the **Buck Camp 12-22-14-2** wildcat well, in Uintah County, may require a permit, known as an Approval Order, from the Executive Secretary of the Air Quality Board. If any compressor or pump stations are constructed at the site, a permit application, known as a Notice of Intent (NOI), should be submitted to the Executive Secretary at the Utah Division of Air Quality at 150 N. 1950 West, Salt Lake City, Utah, 84116 for review according to the Utah Air Quality Rule R307-401. Permit: Notice of Intent and Approval Order. A copy of the rules is found at www.rules.utah.gov/publicat/code/r307/r307.htm. The proposed project, in Uintah County, is also subject to Utah Air Quality Rule R307-205-5, Fugitive Dust, due to the fugitive dust that is generated during the excavating phases of the project. These rules apply to construction activities that disturb an area greater than 1/4 acre in size. A permit, known as an Approval Order, is not required from the Executive Secretary of the Air Quality Board, but steps need to be taken to minimize fugitive dust, such as watering and/or chemical stabilization, providing vegetative or synthetic cover or windbreaks. A copy of the rules may be found at www.rules.utah.gov/publicat/code/r307/r307.htm. **Comments end.**

RDCC #6988, Comments begin: The Houston Exploration Company's proposal to drill the **Gusher 13-11-5-19** wildcat well, in Uintah County, may require a permit, known as an Approval Order, from the Executive Secretary of the Air Quality Board. If any compressor or pump stations are constructed at the site, a permit application, known as a Notice of Intent (NOI), should be submitted to the Executive Secretary at the Utah Division of Air Quality at 150 N. 1950 West, Salt Lake City, Utah, 84116 for review according to the Utah Air Quality Rule R307-401. Permit: Notice of Intent and Approval Order. A copy of the rules is found at www.rules.utah.gov/publicat/code/r307/r307.htm. The proposed project, in Uintah County, is also subject to Utah Air Quality Rule R307-205-5, Fugitive Dust, due to the fugitive dust that is generated during the excavating phases of the project. These rules apply to construction activities that disturb an

area greater than 1/4 acre in size. A permit, known as an Approval Order, is not required from the Executive Secretary of the Air Quality Board, but steps need to be taken to minimize fugitive dust, such as watering and/or chemical stabilization, providing vegetative or synthetic cover or windbreaks. A copy of the rules may be found at www.rules.utah.gov/publicat/code/r307/r307.htm . **Comments end. RDCC # 6989, Comments begin:** The Enduring Resources, LLC proposal to drill the **Buck Camp 12-22-23-2** wildcat well, in Uintah County, may require a permit, known as an Approval Order, from the Executive Secretary of the Air Quality Board. If any compressor or pump stations are constructed at the site, a permit application, known as a Notice of Intent (NOI), should be submitted to the Executive Secretary at the Utah Division of Air Quality at 150 N. 1950 West, Salt Lake City, Utah, 84116 for review according to the Utah Air Quality Rule R307-401. Permit: Notice of Intent and Approval Order. A copy of the rules is found at www.rules.utah.gov/publicat/code/r307/r307.htm . The proposed project, in Uintah County, is also subject to Utah Air Quality Rule R307-205-5, Fugitive Dust, due to the fugitive dust that is generated during the excavating phases of the project. These rules apply to construction activities that disturb an area greater than 1/4 acre in size. A permit, known as an Approval Order, is not required from the Executive Secretary of the Air Quality Board, but steps need to be taken to minimize fugitive dust, such as watering and/or chemical stabilization, providing vegetative or synthetic cover or windbreaks. A copy of the rules may be found at www.rules.utah.gov/publicat/code/r307/r307.htm **Comments end. RDCC # 6990, Comments begin:** The RBDR, LLC proposal to drill the **Crazy "R" Ranch #1** wildcat well, in Sevier County, may require a permit, known as an Approval Order, from the Executive Secretary of the Air Quality Board. If any compressor or pump stations are constructed at the site, a permit application, known as a Notice of Intent (NOI), should be submitted to the Executive Secretary at the Utah Division of Air Quality at 150 N. 1950 West, Salt Lake City, Utah, 84116 for review according to the Utah Air Quality Rule R307-401. Permit: Notice of Intent and Approval Order. A copy of the rules is found at www.rules.utah.gov/publicat/code/r307/r307.htm . The proposed project, in Uintah County, is also subject to Utah Air Quality Rule R307-205-5, Fugitive Dust, due to the fugitive dust that is generated during the excavating phases of the project. These rules apply to construction activities that disturb an area greater than 1/4 acre in size. A permit, known as an Approval Order, is not required from the Executive Secretary of the Air Quality Board, but steps need to be taken to minimize fugitive dust, such as watering and/or chemical stabilization, providing vegetative or synthetic cover or windbreaks. A copy of the rules may be found at www.rules.utah.gov/publicat/code/r307/r307.htm **Comments end. Robert Clark** Division of Air Quality 536-4435

CC: Mcneill, Dave; Wright, Carolyn

MEMORANDUM

DATE: August 29, 2006

TO: Utah Division of Oil, Gas and Mining, and Resource Development
Coordinating Committee

FROM: Utah Geological Survey, Ground Water and Paleontology Program

SUBJECT: UGS comments on RDCC items 6950, 6951, 6952, 6958, 6959, 6989,
6996, 6997, 6998, and 6999

6950. Trust Lands Administration, State Lease # ML-47954-A
Sec. 16, T7S, R25E, Uintah County

There are a number paleontological localities recorded in our files in this project area and it is mapped as T3 (Eocene Uinta and Duchesne River Formations) on the Utah State Geological Map. The Uinta and Duchesne River Formations are among the most paleontological sensitive rock units in Utah and have a strong potential for yielding significant vertebrate fossil localities. The office of the State paleontologist therefore recommends that a paleontological survey be conducted for this project and its easements by a paleontologist with a valid state permit.

6951. Trust Lands Administration, State Lease # ML-47965
Sec. 32, T10S, R25E, Uintah County

Although there are no paleontological localities recorded in our files in this project area, it is mapped as T3 (Eocene Uinta and Duchesne River Formations) on the Utah State Geological Map. The Uinta and Duchesne River Formations are among the most paleontological sensitive rock units in Utah and have a strong potential for yielding significant vertebrate fossil localities. The office of the State paleontologist therefore recommends that a paleontological survey be conducted for this project and its easements by a paleontologist with a valid state permit.

6952. Trust Lands Administration, State Lease # ML-47987
Sec. 2, T12S, R22E, Uintah County

Although there are no paleontological localities recorded in our files in this project area, it is mapped as T3 (Eocene Uinta and Duchesne River Formations) on the Utah State Geological Map. The Uinta and Duchesne River Formations are among the most paleontological sensitive rock units in Utah and have a strong potential for yielding significant vertebrate fossil localities. The office of the State paleontologist therefore recommends that a paleontological survey be conducted for this project and its easements by a paleontologist with a valid state permit.

6958. Trust Lands Administration, Seismic and Vibro Surveys, Sec. 2 & 36, T21S, R18E; Sec. 16, 33, 34, & 35, T21S, R19E; Sec. 2, T22S, R18E; and Sec. 2, 3, 4, 9, 10, 11, 14, 15, 16, 21, 22, 23, & 24, T21S, R18E; Uintah County

Although there are no paleontological localities recorded in our files in this project area, it is mapped as T3 (Eocene Uinta and Duchesne River Formations) on the Utah State Geological Map. The Uinta and Duchesne River Formations are among the most paleontological sensitive rock units in Utah and have a strong potential for yielding significant vertebrate fossil localities. The office of the State paleontologist therefore recommends that a paleontological survey be conducted for this project and its easements by a paleontologist with a valid state permit.

6959. Trust Lands Administration, SULA #1470, Sec. 36, T29S, R20E; Sec. 36, T29.5S, R20E; and Sec. 32, T30S, R20E; San Juan County

Although there are no paleontological localities recorded in our files in this project area, significant vertebrate fossil localities have been reported nearby in the Permian strata. The office of the State paleontologist therefore recommends that a paleontological survey be conducted for this project and its easements by a paleontologist with a valid state permit.

6989. Trust Lands Administration, State Lease # ML-47087
Sec. 2, T12S, R22E, Uintah County

Although there are no paleontological localities recorded in our files in this project area, it is mapped as T3 (Eocene Uinta and Duchesne River Formations) on the Utah State Geological Map. The Uinta and Duchesne River Formations are among the most paleontological sensitive rock units in Utah and have a strong potential for yielding significant vertebrate fossil localities. The office of the State paleontologist therefore recommends that a paleontological survey be conducted for this project and its easements by a paleontologist with a valid state permit.

6996. Division of Oil, Gas and Mining, Short Turn Around, Application for Permit to Drill - proposal to drill a wildcat well the Knight 14-30 on a Fee lease
Sec. 30, T3S, R2E, Uintah County

Although there are no paleontological localities recorded in our files in this project area, it is mapped as T3 (Eocene Uinta and Duchesne River Formations) on the Utah State Geological Map. The Uinta and Duchesne River Formations are among the most paleontological sensitive rock units in Utah and have a strong potential for yielding significant vertebrate fossil localities. The office of the State paleontologist therefore recommends that a paleontological survey be conducted for this project and its easements by a paleontologist with a valid state permit.

6997. Division of Oil, Gas and Mining, Short Turn Around, Application for Permit to

Drill - proposal to drill the Deep Creek 2-30 on a Fee lease, Sec. 30, T3S, R2E, Uintah County

Although there are no paleontological localities recorded in our files in this project area, it is mapped as T3 (Eocene Uinta and Duchesne River Formations) on the Utah State Geological Map. The Uinta and Duchesne River Formations are among the most paleontological sensitive rock units in Utah and have a strong potential for yielding significant vertebrate fossil localities. The office of the State paleontologist therefore recommends that a paleontological survey be conducted for this project and its easements by a paleontologist with a valid state permit.

6998. Division of Oil, Gas and Mining, Short Turn Around, Application for Permit to Drill - proposal to drill a wildcat well the Knight 16-30 on a Fee lease, Sec. 30, T3S, R2E, Uintah County

Although there are no paleontological localities recorded in our files in this project area, it is mapped as T3 (Eocene Uinta and Duchesne River Formations) on the Utah State Geological Map. The Uinta and Duchesne River Formations are among the most paleontological sensitive rock units in Utah and have a strong potential for yielding significant vertebrate fossil localities. The office of the State paleontologist therefore recommends that a paleontological survey be conducted for this project and its easements by a paleontologist with a valid state permit.

6999. Division of Oil, Gas and Mining, Short Turn Around, Application for Permit to Drill - proposal to drill a wildcat well the Eliason 6-30 on a Fee lease, Sec. 30, T3S, R2E, Uintah County

Although there are no paleontological localities recorded in our files in this project area, it is mapped as T3 (Eocene Uinta and Duchesne River Formations) on the Utah State Geological Map. The Uinta and Duchesne River Formations are among the most paleontological sensitive rock units in Utah and have a strong potential for yielding significant vertebrate fossil localities. The office of the State paleontologist therefore recommends that a paleontological survey be conducted for this project and its easements by a paleontologist with a valid state permit.

BUCK CAMP 12-22-2012

Casing Schematic

Uenta

Surface

BHP

$$(0.052)(7850)(9.8) = 4,060$$

Anticipate 4137

8-5/8"
MW 8.6
Frac 30.

Gos

$$(0.12)(7850) = 942$$

MASP - 3195

Fluid

$$(0.22)(7850) = 1727$$

MASP = 2413

BOPE - 3,000 ✓

Surf csg - 2950
70% - 2065

Max pressure @ Surf shoe - 2854

✓ Test TO 2065#
(± 200 psi Surf. press.)

✓ Adequate D.O.D 9/20/06

TOC @
0.

380' Green River

1501 TOC Tail ✓ w/49% Washout
* Surface stop

TOC @
1672.

Surface
2016. MD
2016. TVD

2415 TOC Tail

2830 Washout

✓ w/89% Washout
2403' w/138 washout +

3500 BMSW

4870 Mesoverde

4-1/2"
MW 9.8

Production
7956. MD
7850. TVD

Well name:

08-06 Enduring Buck Camp 12-22-23-2

Operator:

Enduring Resources, LLC (N2750)

String type:

Surface

Project ID:

43-047-38483

Location:

Uintah County**Design parameters:****Collapse**

Mud weight: 8.600 ppg

Design is based on evacuated pipe.

Minimum design factors:**Collapse:**

Design factor 1.125

Burst:

Design factor 1.00

Environment:

H2S considered? No

Surface temperature: 75 °F

Bottom hole temperature: 103 °F

Temperature gradient: 1.40 °F/100ft

Minimum section length: 1,500 ft

Cement top: Surface

Burst

Max anticipated surface pressure: 2,900 psi

Internal gradient: 0.120 psi/ft

Calculated BHP 3,142 psi

No backup mud specified.

Tension:

8 Round STC: 1.80 (J)

8 Round LTC: 1.80 (J)

Buttress: 1.60 (J)

Premium: 1.50 (J)

Body yield: 1.50 (B)

Non-directional string.

Re subsequent strings:

Next setting depth: 7,850 ft

Next mud weight: 9.800 ppg

Next setting BHP: 3,996 psi

Fracture mud wt: 30.000 ppg

Fracture depth: 2,016 ft

Injection pressure 3,142 psi

Tension is based on buoyed weight.

Neutral point: 1,756 ft

Run Seq	Segment Length (ft)	Size (in)	Nominal Weight (lbs/ft)	Grade	End Finish	True Vert Depth (ft)	Measured Depth (ft)	Drift Diameter (in)	Internal Capacity (ft³)
1	2016	8.625	24.00	J-55	ST&C	2016	2016	7.972	97.1
Run Seq	Collapse Load (psi)	Collapse Strength (psi)	Collapse Design Factor	Burst Load (psi)	Burst Strength (psi)	Burst Design Factor	Tension Load (Kips)	Tension Strength (Kips)	Tension Design Factor
1	901	1370	1.521	3142	2950	0.94	42	244	5.79 J

Prepared Helen Sadik-Macdonald
by: Utah Div. of Oil & MiningPhone: 801-538-5357
FAX: 801-359-3940Date: August 29, 2006
Salt Lake City, Utah**Remarks:**

Collapse is based on a vertical depth of 2016 ft, a mud weight of 8.6 ppg. The casing is considered to be evacuated for collapse purposes. Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.

Burst strength is not adjusted for tension.

Engineering responsibility for use of this design will be that of the purchaser.

Well name:	08-06 Enduring Buck Camp 12-22-23-2	
Operator:	Enduring Resources, LLC (N2750)	Project ID:
String type:	Production	43-047-38483
Location:	Uintah County	

Design parameters:
Collapse

Mud weight: 9.800 ppg
Design is based on evacuated pipe.

Minimum design factors:
Collapse:

Design factor 1.125

Burst:

Design factor 1.00

Environment:

H2S considered? No
Surface temperature: 75 °F
Bottom hole temperature: 185 °F
Temperature gradient: 1.40 °F/100ft
Minimum section length: 1,500 ft

Cement top: 2,402 ft

Burst

Max anticipated surface pressure: 2,269 psi
Internal gradient: 0.220 psi/ft
Calculated BHP 3,996 psi

No backup mud specified.

Tension:

8 Round STC: 1.80 (J)
8 Round LTC: 1.80 (J)
Buttress: 1.60 (J)
Premium: 1.50 (J)
Body yield: 1.50 (B)

Directional well information:

Kick-off point 2050 ft
Departure at shoe: 749 ft
Maximum dogleg: 3 °/100ft
Inclination at shoe: 0 °

Tension is based on buoyed weight.
Neutral point: 6,806 ft

Run Seq	Segment Length (ft)	Size (in)	Nominal Weight (lbs/ft)	Grade	End Finish	True Vert Depth (ft)	Measured Depth (ft)	Drift Diameter (in)	Internal Capacity (ft³)
1	7956	4.5	11.60	N-80	Buttress	7850	7956	3.875	694.3

Run Seq	Collapse Load (psi)	Collapse Strength (psi)	Collapse Design Factor	Burst Load (psi)	Burst Strength (psi)	Burst Design Factor	Tension Load (Kips)	Tension Strength (Kips)	Tension Design Factor
1	3996	6350	1.589 ✓	3996	7780	1.95 ✓	78	267	3.44 B ✓

Prepared Helen Sadik-Macdonald
by: Div of Oil, Gas & Minerals

Phone: 801-538-5357
FAX: 801-359-3940

Date: September 20, 2006
Salt Lake City, Utah

Remarks:

Collapse is based on a vertical depth of 7850 ft, a mud weight of 9.8 ppg. The casing is considered to be evacuated for collapse purposes. Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.

Burst strength is not adjusted for tension.

Collapse strength is (biaxially) derated for doglegs in directional wells by multiplying the tensile stress by the cross section area to calculate a

Engineering responsibility for use of this design will be that of the purchaser.

From: Ed Bonner
To: Whitney, Diana
Date: 9/12/2006 2:43:10 PM
Subject: Well Clearance

The following wells have been given cultural resource clearance by the Trust Lands Cultural Resources Group:

Cochrane Resources, Inc
Divide 32-32 (API 43 019 31487)

Enduring Resources, LLC
Southam Canyon 10-25-11-32 (API 43 047 38395)
Southam Canyon 10-25-14-32 (API 43 047 38396)
Southam Canyon 10-25-34-32 (API 43 047 38401)
Rock House 10-23-34-32 (API 43 047 38470)
East Bench 11-22-31-32 (API 43 047 38273)
Sand Wash 12-22-23-32 (API 43 047 38285)
Sand Wash 12-22-44-32 (API 43 047 38286)
Buck Camp 12-22-23-2 (API 43 047 38483)
Buck Camp 12-22-14-2 (API 43 047 38482)

The Houston Exploration Company
North Horseshoe 5-16-6-22 (API 43 047 38406)

Newfield Production Company
Horseshoe Bend State 4-28-6-21 (API 43 047 38366)

XTO Energy, Inc
State of Utah 17-8-19-11D (API 43 015 30695)
State of Utah 17-8-20-13 (API 43 015 30698)

If you have any questions regarding this matter please give me a call.

CC: Davis, Jim; Garrison, LaVonne; Hill, Brad; Hunt, Gil



State of Utah

**Department of
Natural Resources**

MICHAEL R. STYLER
Executive Director

**Division of
Oil, Gas & Mining**

JOHN R. BAZA
Division Director

JON M. HUNTSMAN, JR.
Governor

GARY R. HERBERT
Lieutenant Governor

September 21, 2006

Enduring Resources, LLC
475 17th St., Ste. 1500
Denver, CO 80202

Re: Buck Camp 12-22-23-2 Well, 1598' FSL, 1337' FWL, NE SW, Sec. 2,
T. 12 South, R. 22 East, Bottom Location 1980' FSL, 1980' FWL, NE SW,
Sec. 2, T. 12 South, R. 22 East, Uintah County, Utah

Gentlemen:

Pursuant to the provisions and requirements of Utah Code Ann. § 40-6-1 *et seq.*, Utah Administrative Code R649-3-1 *et seq.*, and the attached Conditions of Approval, approval to drill the referenced well is granted.

This approval shall expire one year from the above date unless substantial and continuous operation is underway, or a request for extension is made prior to the expiration date. The API identification number assigned to this well is 43-047-38483.

Sincerely,

Gil Hunt
Associate Director

pab
Enclosures

cc: Uintah County Assessor
SITLA

Operator: Enduring Resources, LLC
Well Name & Number Buck Camp 12-22-23-2
API Number: 43-047-38483
Lease: ML-47087

Location: NE SW **Sec.** 2 **T.** 12 South **R.** 22 East
Bottom Location: NE SW **Sec.** 2 **T.** 12 South **R.** 22 East

Conditions of Approval

1. General

Compliance with the requirements of Utah Admin. R. 649-1 *et seq.*, the Oil and Gas Conservation General Rules, and the applicable terms and provisions of the approved Application for permit to drill.

2. Notification Requirements

The operator is required to notify the Division of Oil, Gas and Mining of the following actions during drilling of this well:

- 24 hours prior to cementing or testing casing
- 24 hours prior to testing blowout prevention equipment
- 24 hours prior to spudding the well
- within 24 hours of any emergency changes made to the approved drilling program
- prior to commencing operations to plug and abandon the well

The following are Division of Oil, Gas and Mining contacts and their work telephone numbers (please leave a voice mail message if the person is not available to take the call):

- Dan Jarvis at (801) 538-5338
- Carol Daniels at (801) 538-5284 (spud)

3. Reporting Requirements

All required reports, forms and submittals will be promptly filed with the Division, including but not limited to the Entity Action Form (Form 6), Report of Water Encountered During Drilling (Form 7), Weekly Progress Reports for drilling and completion operations, and Sundry Notices and Reports on Wells requesting approval of change of plans or other operational actions.

4. In accordance with Utah Admin. R.649-3-11, Directional Drilling, the operator shall submit a complete angular deviation and directional survey report to the Division within 30 days following completion of the well.

5. Compliance with the State of Utah Antiquities Act forbids disturbance of archeological, historical, or paleontological remains. Should archeological, historical or paleontological remains be encountered during your operations, you are required to immediately suspend all operations and immediately inform the Trust Lands Administration and the Division of State History of the discovery of such remains.

6. Compliance with the Conditions of Approval/Application for Permit to Drill outlined in the Statement of Basis. (Copy Attached)

7. This proposed well is located in an area for which drilling units (well spacing patterns) have not been established through an order of the Board of Oil, Gas and Mining (the "Board"). In order to avoid the possibility of waste or injury to correlative rights, the operator is requested, once the well has been drilled, completed, and has produced, to analyze geological and engineering data generated therefrom, as well as any similar data from surrounding areas if available. As soon as is practicable after completion of its analysis, and if the analysis suggests an area larger than the quarter-quarter section upon which the well is located is being drained, the operator is requested to seek an appropriate order from the Board establishing drilling and spacing units in conformance with such analysis by filing a Request for Agency Action with the Board.
8. Surface casing shall be cemented to the surface.
9. Operator shall comply with applicable recommendations resulting from Resource Development Coordinating Committee review. Statements attached.

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

CONFIDENTIAL

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

1. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER _____		5. LEASE DESIGNATION AND SERIAL NUMBER: ML-47087
2. NAME OF OPERATOR: Enduring Resources, LLC		6. IF INDIAN, ALLOTTEE OR TRIBE NAME: n/a
3. ADDRESS OF OPERATOR: 475 17th Street, Suite 1500 CITY Denver STATE CO ZIP 80202		7. UNIT or CA AGREEMENT NAME: n/a
PHONE NUMBER: (303) 350-5719		8. WELL NAME and NUMBER: Buck Camp 12-22-23-2
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1598' FSL - 1337' FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: NESW 2 12S 22E S		9. API NUMBER: 4304738483
COUNTY: Uintah STATE: UTAH		10. FIELD AND POOL, OR WILDCAT: Undesignated

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLARE
<input type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion: _____	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/RESUME)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input checked="" type="checkbox"/> OTHER: Request for APD Extension
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

Enduring Resources, LLC respectfully request an extension to the expiration date of this Application for Permit to Drill

FROM: 9/21/2007
TO: 9/21/2008

Approved by the
Utah Division of
Oil, Gas and Mining

Date: 09-19-07

By: [Signature]

9-19-07
PM

NAME (PLEASE PRINT) Alvin R. (Al) Arlian	TITLE Landman - Regulatory Specialist
SIGNATURE [Signature]	DATE 9/18/2007

(This space for State use only)

RECEIVED

SEP 19 2007

DIV. OF OIL, GAS & MINING

**Application for Permit to Drill
Request for Permit Extension
Validation**

(this form should accompany the Sundry Notice requesting permit extension)

API: 4304738483
Well Name: Buck Camp 12-22-23-2
Location: 1598' FSL - 1337' FWL, NESW, Sec. 2, T12S-R22E
Company Permit Issued to: Enduring Resources, LLC
Date Original Permit Issued: 9/21/2006

The undersigned as owner with legal rights to drill on the property as permitted above, hereby verifies that the information as submitted in the previously approved application to drill, remains valid and does not require revision.

Following is a checklist of some items related to the application, which should be verified.

If located on private land, has the ownership changed, if so, has the surface agreement been updated? Yes ☐ No ☐

Have any wells been drilled in the vicinity of the proposed well which would affect the spacing or siting requirements for this location? Yes ☐ No ☒

Has there been any unit or other agreements put in place that could affect the permitting or operation of this proposed well? Yes ☐ No ☒

Have there been any changes to the access route including ownership, or right-of-way, which could affect the proposed location? Yes ☐ No ☒

Has the approved source of water for drilling changed? Yes ☐ No ☒

Have there been any physical changes to the surface location or access route which will require a change in plans from what was discussed at the onsite evaluation? Yes ☐ No ☒

Is bonding still in place, which covers this proposed well? Yes ☒ No ☐



Signature

9/18/2007

Date

Title: Landman - Regulatory Specialist

Representing: Enduring Resources, LLC

RECEIVED

SEP 19 2007

DIV. OF OIL, GAS & MINING

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

FORM 9

CONFIDENTIAL

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

1. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER _____		5. LEASE DESIGNATION AND SERIAL NUMBER: ML-47087
2. NAME OF OPERATOR: Enduring Resources, LLC		6. IF INDIAN, ALLOTTEE OR TRIBE NAME: n/a
3. ADDRESS OF OPERATOR: 475 17th Street, Suite 1500 CITY Denver STATE CO ZIP 80202		7. UNIT or CA AGREEMENT NAME: n/a
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1598' FSL - 1337' FWL		8. WELL NAME and NUMBER: Buck Camp 12-22-23-2
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: NESW 2 12S 22E S		9. API NUMBER: 4304738483
COUNTY: Uintah		10. FIELD AND POOL, OR WILDCAT: Undesignated
STATE: UTAH		

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA			
TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: _____ <input type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion: _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLARE
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	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/RESUME)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input checked="" type="checkbox"/> OTHER: Request for APD Extension
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

Enduring Resources, LLC respectfully request an extension to the expiration date of this Application for Permit to Drill

FROM: 9/19/2008
TO: 9/19/2009

Approved by the
Utah Division of
Oil, Gas and Mining

Date: 09-23-08
By: [Signature]

NAME (PLEASE PRINT) <u>Alvin R. (Al) Arlian</u>	TITLE <u>Landman - Regulatory Specialist</u>
SIGNATURE <u>[Signature]</u>	DATE <u>9/5/2008</u>

(This space for State use only)

COPY SENT TO OPERATOR

Date: 9.23.2008
Initials: KS

(See Instructions on Reverse Side)

RECEIVED

SEP 18 2008

DIV. OF OIL, GAS & MINING

**Application for Permit to Drill
Request for Permit Extension
Validation**

(this form should accompany the Sundry Notice requesting permit extension)

API: 4304738483
Well Name: Buck Camp 12-22-23-2
Location: 1598' FSL - 1337' FWL, NESW, Sec. 2, T12S-R22E
Company Permit Issued to: Enduring Resources, LLC
Date Original Permit Issued: 9/21/2006

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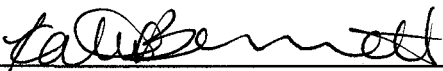
Has there been any unit or other agreements put in place that could affect the permitting or operation of this proposed well? Yes ☐ No ☒

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Has the approved source of water for drilling changed? Yes ☐ No ☒

Have there been any physical changes to the surface location or access route which will require a change in plans from what was discussed at the onsite evaluation? Yes ☐ No ☒

Is bonding still in place, which covers this proposed well? Yes ☒ No ☐


Signature

9/5/2008

Date

Title: Administrative Assistant

Representing: Enduring Resources, LLC

RECEIVED

SEP 18 2008

DIV. OF OIL, GAS & MINING



JON M. HUNTSMAN, JR.
Governor

GARY R. HERBERT
Lieutenant Governor

State of Utah

DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER
Executive Director

Division of Oil, Gas and Mining

JOHN R. BAZA
Division Director

October 19, 2009

Enduring Resources, LLC
475 17TH Street Ste 1500
Denver, CO 80202

Re: APD Rescinded – Buck Camp Unit 12-22-23-2, Sec. 2, T.12S, R. 22E
Uintah County, Utah API No. 43-047-38483

Ladies and Gentlemen:

The Application for Permit to Drill (APD) for the subject well was approved by the Division of Oil, Gas and Mining (Division) on September 21, 2006. On September 19, 2007 and September 23, 2008 the Division granted a one-year APD extension. No drilling activity at this location has been reported to the division. Therefore, approval to drill the well is hereby rescinded, effective October 19, 2009.

If any previously unreported operations have been performed on this well location, it is imperative that you notify the Division immediately.

Sincerely,

Diana Mason
Environmental Scientist

cc: Well File
SITLA, Ed Bonner